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DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
OF THE STATE OF MONTANA

Oil and Gas Conservation Division

Ted Schwinden, Governor



ANNUAL REVIEW FOR THE YEAR 1982

Relating to

OIL AND GAS

Volume 26

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Annual Review for the Year 1982 Volume 26

ACTIVITY REVIEW — MONTANA 1982

Oil production for 1982 was up by more than 100,000 barrels at 30.9 million barrels as compared to approximately 30.8 million barrels for 1981. This is the second consecutive year in which Montana's oil output has increased over the previous year. Due to natural depletion there had been a steady decline in yearly oil production from 1974 to 1981. The increased oil production over the last two years denotes the additional oil reserves discovered as a result of the active exploration and drilling programs pursued mainly during 1981.

Total gas withdrawals (natural and associated) for 1982 at 50.93 billion cubic feet were also up by 860 million cubic feet over 1981. Although natural gas production was down by 550 million cubic feet, marketed associated gas, which is produced with oil from the deeper pay zones in the Williston Basin area of eastern Montana, increased a substantial 1.41 billion cubic feet.

The number of wells drilled for oil or gas in Montana during 1982 totaled 886, a decrease of 263 from the 1981 record high of 1,149 wells. The major decrease was in wildcat drilling, 358 wells as compared to 552 in 1981. However, of the wildcats drilled, 64 were completed as oil and 46 as gas producers for an above average success ratio of 30%. Active development drilling continued through 1982 where 528 wells encountered 263 oil and 145 gas producers.

Considerable interest is being shown in Montana's potential petroleum reserves by the continued geophysical and geological research programs being pursued. Prospects are apparently being refined indicating a possible increase of wildcat drilling in 1983.

Computer hardware was installed in the Billings office in late 1982 with the main objective to facilitate the storage and retrieval of all well and production data.

A total of 298 applications for determination to qualify for a maximum lawful price as prescribed by the Natural Gas Policy Act of 1978 (NGPA) were received during 1982. This is 25 more than 1981 and the highest number of applications since the first year's (1979) 328. Total applications by Category included: 76 for new onshore well—2.5 mile test (Category 102-2); 33 for new onshore reservoir (Category 102-4); 95 for new onshore production well (Category 103); and 94 for stripper well (Category 108).

The Board of Oil and Gas Conservation issued 139 Board Orders in 1982. The greater portion pertained to pooling of interests, establishment of field delineations and spacing rules, exceptions to spacing and drilling rules, and the approval of secondary recovery projects. Included in the total were 21 Administrative Board Orders governing the underground disposal of produced water.

1982 SUMMARY OF YEAR ACTIVITIES

OIL

	Bbls	Bbls of Oil per day
Oil Produced	30,917,311	84,705
Oil Imported		
From: Canada	15,402,257	
North Dakota	206	
Wyoming	<u>17,793,446</u>	
Total	33,195,909	90,948
Oil Exported	21,746,806	59,580

GAS

	GAS	MCF/DAY
Gas Withdrawals:		
Natural	44,282,577	
Associated	<u>6,649,583</u>	
Total	50,932,160	139,540
Gas Imported:		
From: Canada	13,920,534	
Dakotas	18,047,851	
Wyoming	<u>9,613,287</u>	
Total	41,581,672	113,922
Gas Exported:		
To: Canada	167,926	
Dakotas	9,164,754	
Wyoming	10,808,253	
Midwest	<u>9,668,672</u>	
Total	29,809,605	81,670

FIVE YEAR SUMMARY

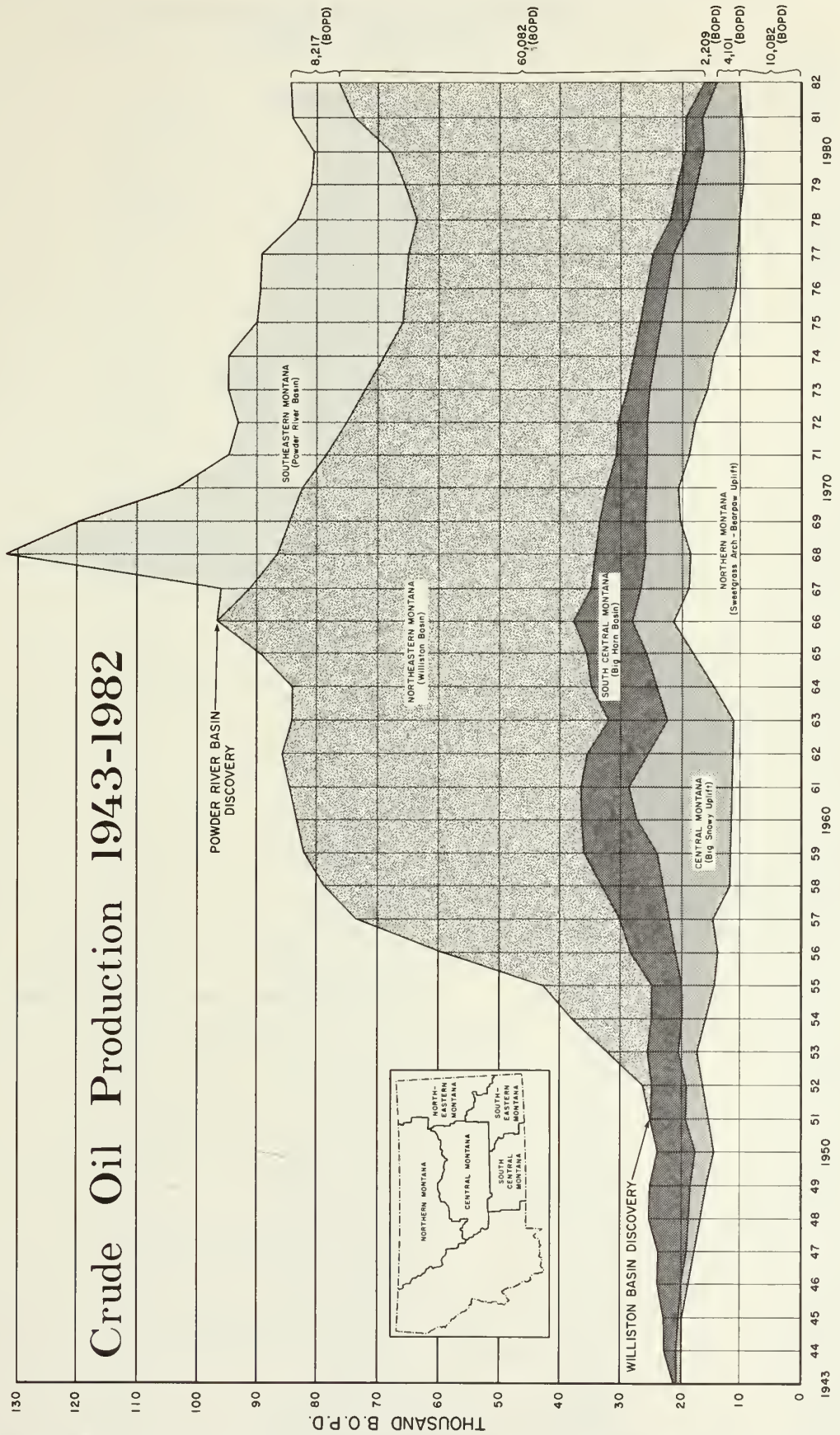
	1978	1979	1980	1981	1982
PRODUCTION IN BARRELS:					
Northern Montana	3,671,322	3,536,296	3,516,807	3,605,207	3,680,043
South Central	1,095,737	1,131,798	1,055,105	910,595	806,366
Central	3,343,556	3,029,397	2,612,091	2,583,690	1,496,895
Williston Basin	15,103,853	16,546,576	17,739,142	19,954,159	21,934,760
Powder River Basin	7,252,869	5,713,032	4,660,659	3,759,760	2,999,247
TOTAL	<u>30,467,337</u>	<u>29,957,099</u>	<u>29,583,804</u>	<u>30,813,411</u>	<u>30,917,311</u>
NUMBER OF PRODUCING WELLS:					
Northern Montana	2,052	2,089	2,212	2,280	2,455
South Central	115	112	124	132	138
Central	347	340	358	354	249
Williston Basin	863	886	996	1,080	1,360
Powder River Basin	169	165	148	174	212
TOTAL	<u>3,546</u>	<u>3,592</u>	<u>3,838</u>	<u>4,020</u>	<u>4,414</u>
AVERAGE DAILY PRODUCTION/WELL:					
Northern Montana	4.9	4.6	4.3	4.3	4.1
South Central	26.1	27.7	23.2	18.9	16.0
Central	26.4	24.4	19.9	20.0	16.5
Williston Basin	47.9	51.2	48.7	50.6	44.2
Powder River Basin	117.6	94.9	86.0	59.2	38.8
STATE AVG.	<u>23.5</u>	<u>22.8</u>	<u>21.1</u>	<u>21.0</u>	<u>19.2</u>
DEVELOPMENT WELLS DRILLED:					
Oil Wells	123	120	241	276	263
Gas Wells	223	235	203	133	145
Dry Holes	232	182	206	188	120
Service Wells					19
TOTAL	<u>578</u>	<u>537</u>	<u>650</u>	<u>597</u>	<u>547</u>
EXPLORATORY WELLS DRILLED:					
Oil Wells	21	35	30	126	64
Gas Wells	15	20	12	85	46
Dry Holes	179	211	260	341	248
TOTAL	<u>215</u>	<u>266</u>	<u>302</u>	<u>552</u>	<u>358</u>
TOTAL WELLS DRILLED	793	803	952	1,149	905
TOTAL FOOTAGE DRILLED	2,968,842	3,147,341	4,032,032	5,797,770	4,342,410
AVERAGE FOOTAGE DRILLED	3,744	3,919	4,235	5,046	4,798

SUMMARY OF DRILLING BY COUNTIES — 1982

STATE OF MONTANA

County	Development				Wildcat			Service	Total Wells	Footage Drilled	Average Depth
	Oil	Gas	Dry		Oil	Gas	Dry				
Big Horn							3		3	17,804	5,934
Blaine		13	14		2	2	4		35	69,122	1,974
Carbon	2	2	6		2	1	2		15	62,229	4,148
Carter		2					1		3	4,099	1,366
Cascade							2		2	4,800	2,400
Chouteau		1	2		1	10	4		18	25,031	1,390
Custer							1		1	5,367	5,367
Daniels	1		1		2		4		8	70,755	8,844
Dawson			1		3		9	1	14	137,037	9,788
Fallon	16	7				2	3		28	191,702	6,846
Fergus							6		6	12,196	2,032
Garfield							10		10	62,983	6,298
Glacier	28	1	2		1		2	2	36	106,740	2,965
Granite							3		3	11,029	3,676
Golden Valley							3		3	23,530	7,843
Hill		10	7			3	9		29	59,726	2,059
Judith Basin							2		2	6,588	3,294
Lewis & Clark							2		2	18,645	9,322
Liberty	5		1		1	1	6		14	35,819	2,558
Madison							2		2	10,750	5,375
McCone	6		10		2		11	3	11	92,002	8,363
Musselshell							16		37	151,432	4,092
Petroleum			5						5	10,673	2,134
Phillips		68	1			3	11		83	149,961	1,806
Pondera	23	6	7		1	6	16	1	60	116,982	1,949
Powder River	5		1				1		7	32,061	4,580
Prairie							1		1	10,100	10,100
Richland	46		9		18		14	1	88	1,009,020	11,466
Roosevelt	19		7		8		26	6	66	640,859	9,709
Rosebud	3		7				10	1	21	110,923	5,282
Sheridan	3		4		9		20	2	38	390,356	10,272
Stillwater			2			1			3	5,184	1,728
Teton	6	2	2				11		21	71,945	3,425
Toole	92	31	25		1	16	8		173	283,807	1,640
Valley			3		12	1	18	1	35	178,677	5,105
Wheatland		2					1		3	10,825	3,608
Wibaux	4		1		1		2	1	9	95,740	10,637
Yellowstone	4		2				4		10	45,913	4,591
TOTALS	263	145	120		64	46	248	19	905	4,342,410	4,798

Crude Oil Production 1943-1982



GAS PRODUCTION DATA — 1982

14.73 PSIA @ 60°F

**1982
Marketed
MCF**

Field	County	Producing Formation	
Natural Gas			
Alma	Liberty	Blackleaf, Bow Island, Sawtooth	9,799
Amanda	Toole	Swift	171,167
Antelope Coulee	Toole	Bow Island	70,290
Arch Apex	Toole	Bow Island	233,371
Badlands	Hill	Eagle	341,377
Battle Creek	Blaine	Eagle	2,172,651
Bears Den	Liberty	Sawtooth, Sunburst	26,669
Bell Creek, South	Powder River	Muddy	120,227
Big Coulee	Golden Valley, Stillwater	Lakota, Morrison	485,522
Big Rock	Glacier	Blackleaf, Bow Island	827,349
Bills Coulee	Teton	Sunburst, Madison	357,116
Black Butte	Hill	Eagle, Judith River	77,296
Black Coulee	Blaine	Eagle	122,028
Blackfoot	Glacier	Dakota	354,255
Blackjack	Liberty	Sunburst, Swift, Blackleaf	101,762
Blackleaf Canyon	Teton	Sun River	4,670
Border	Toole	Cut Bank	20,763
Bowdoin	Phillips, Valley	Bowdoin	7,833,750
Bowdoin Area	Phillips, Valley	Bowdoin, Phillips, Carlile-Greenhorn	258,656
Bowes	Blaine	Eagle	290,649
Browns Coulee	Hill	Judith River, Eagle	38,118
Browns Coulee, East	Hill	Eagle	71,452
Buffalo Flats	Chouteau	Bow Island	436,270
Bullwacker and Area	Blaine, Chouteau	Judith River, Eagle-Virgelle	932,962
Camp Creek	Chouteau	Eagle	2,925
Canadian Coulee	Hill, Liberty	Sawtooth	304,820
Canadian Coulee, North	Hill	Sawtooth	147,977
Cedar Creek	Fallon	Judith River, Eagle	1,482,790
Chain Lakes Area	Hill	Eagle	27,037
Chester Area	Liberty	Bow Island	5,633
Chinook, East	Blaine	Eagle	27,001
Chip Creek	Chouteau	Eagle-Virgelle	9,495
Clarks Fork, South	Carbon	Frontier	19,928
Coal Coulee	Hill	Eagle	55,111
Conrad Butte (Ledger Fld)	Pondera, Toole	Bow Island	487,022
Cut Bank and Reagan	Glacier, Toole	Cut Bank, Madison, Blackleaf, Moulton, Sunburst	2,571,973
Devon, South	Toole	Bow Island	82,974
Dry Creek	Carbon	Greybull, Lakota, Judith River, Eagle, Frontier	569,202
Dry Creek, Middle	Carbon	Frontier, Lakota	148,723
Dunkirk	Toole	Lower Dakota, Bow Island	108,459
Dunkirk, North	Toole	Bow Island	277,348
Eagle Springs	Toole	Bow Island	83,808
Ethridge Area	Toole	Bow Island, Swift	159,498
Ethridge, North	Toole	Swift	13,142
Fitzpatrick Lake	Toole	Bow Island	166,697
Flat Coulee	Liberty	Sawtooth, Bow Island, Dakota, Swift	62,547
Fort Conrad	Toole, Pondera	Bow Island	5,175
Fort Conrad Area	Toole, Pondera	Bow Island	25,890
Fred and George Creek	Toole	Sunburst, Swift	31,354
Fresno	Hill	Eagle-Virgelle, Judith River	88,585
Gilford	Hill	Sawtooth	17,101
Gold Butte	Toole	Bow Island	2,428
Golden Dome	Carbon	Greybull	88,947
Grandview	Liberty	Bow Island, Madison	95,669
Gypsy Basin	Pondera	Sunburst	110,338
Hammond	Carter	Muddy	94,738
Hardin	Big Horn	Frontier	23,060
Hardpan	Pondera	Bow Island	81,010
Hardpan Area	Pondera	Bow Island	40,364

GAS PRODUCTION DATA — 1982 (CONTINUED)

14.73 PSIA @ 60°F

**1982
Marketed
MCF**

Field	County	Producing Formation	1982 Marketed MCF
Havre	Hill	Eagle	39,228
Haystack Butte	Liberty	Bow Island	28,233
Highview	Pondera	Madison	7,415
Keith, East	Liberty	Niobrara	480,904
Keith Area	Liberty	Niobrara	114,994
Kevin-Sunburst	Toole	Swift, Sun River, Nisku, Bow Island, Sunburst	530,283
Kevin-Sunburst Nisku	Toole	Swift	55,915
Kevin, Southwest	Toole	Bow Island, Sunburst, Swift	452,262
Kicking Horse	Toole	Bow Island, Sunburst, Sawtooth	116,876
Kinyon Coulee	Toole	Bow Island	36,052
Kinyon Coulee, South	Toole	Bow Island	2,376
Kippen, East	Toole	Swift, Madison	1,740
Lake Basin	Stillwater	Claggett, Eagle-Virgelle, Telegraph Creek, Frontier	390,482
Lake Basin, North	Stillwater	Eagle	15,136
Laredo	Hill	Eagle	69,694
Leroy	Blaine	Judith River, Eagle-Virgelle	910,375
Liscom Creek	Custer	Shannon	116,386
Little Creek Area	Chouteau	Eagle-Virgelle	1,925
Little Rock	Glacier	Bow Island	198,532
Lohman	Blaine	Eagle	94,377
Loring, East	Phillips	Phillips, Bowdoin, Carlile-Greenhorn	990,493
Marias River	Toole	Bow Island	162,485
Middle Butte	Toole	Bow Island	54,842
Miners Coulee	Toole	Sunburst, Swift, Bow Island	364,319
Mount Lily	Liberty	Madison	23,469
O'Briens Coulee	Liberty	Bow Island	276,366
Phantom	Toole	Sunburst, Swift	321,887
Phantom, West	Toole	Sunburst	224,871
Plevna	Fallon	Judith River	2,434
Police Coulee	Toole	Bow Island	27,123
Prairie Dell	Toole	Bow Island, Swift	639,383
Prairie Dell, West	Toole	Swift	15,158
Prairie Dell, South	Toole	Bow Island, Sunburst, Swift	204,834
Rapelje	Stillwater	Eagle-Virgelle, Judith River, Claggett	114,065
Rattlesnake Coulee	Toole	Bow Island	102,461
Red Rock Area	Hill	Eagle	178,786
Rocky Boy	Hill	Eagle	37,231
Rudyard	Hill	Sawtooth	463,443
Sage Creek	Liberty	Blackleaf	235,633
Sandwich	Liberty	Swift	1,461
Sawtooth Mountain	Blaine	Judith River, Eagle	741,690
Shelby	Toole	Bow Island, Sunburst	32,578
Shelby, Old	Toole	Bow Island	78,871
Sherard	Blaine, Chouteau	Judith River, Eagle	251,984
Sherard Unit	Chouteau	Judith River, Eagle	71,876
Sherard Area	Blaine	Eagle	84,496
Snoose Coulee	Liberty	Bow Island	51,144
Soberup Coulee	Pondera	Bow Island	2,328
Spring Coulee	Hill	Sawtooth	201,166
Strawberry Creek	Toole	Bow Island	8,737
Swanson Creek	Phillips	Phillips	817,774
Three Mill	Blaine	Eagle	39,003
Tiber	Toole	Bow Island	98,800
Tiger Ridge	Blaine, Hill	Judith River, Eagle	9,340,366
Tiger Ridge, North	Blaine	Eagle	4,505
Trail Creek	Liberty, Toole	Bow Island, Sunburst	136,414
Two Forks	Blaine	Eagle	667
Utopia	Liberty	Sawtooth	172,756
Vandalia	Valley	Eagle, Bowdoin	132,302
West Butte	Toole	Madison, Bow Island, Sawtooth	52,654
West Butte Shallow	Toole	Bow Island	16,760

GAS PRODUCTION DATA—1982 (CONTINUED)
14.73 PSIA @ 60°F

Field	County	Producing Formation	1982 Marketed MCF
Whitlash	Liberty	Swift, Bow Island, Kootenai	431,584
Whitlash, West	Toole	Sunburst	9,885
Williams	Pondera	Bow Island	268,350
Willow Ridge	Toole	Bow Island	255,020
SUBTOTAL NATURAL GAS			44,282,577

**ASSOCIATED MARKETED
GAS PRODUCTION DATA—1982**

Field	County	Producing Formation	1982 Marketed MCF
Associated Gas			
Anvil	Roosevelt	Red River	222,254
Autumn	Valley	Mission Canyon	4,324
Bainville, North	Roosevelt	Red River, Winnipegosis	77,883
Bainville, West	Roosevelt	Red River	9,473
Big Muddy Creek	Roosevelt	Interlake, Red River	43,911
Blue Hill	Richland	Red River	16,307
Brorson	Richland	Red River	37,485
Brorson, South	Richland	Red River	38,073
Cabin Creek	Fallon	Mission Canyon, Interlake, Red River	395,308
Canal	Richland	Red River	19,042
Charlie Creek, East	Richland	Red River	19,978
Clark's Fork	Carbon	Frontier	11,585
Clark's Fork, South	Carbon	Greybull	9,148
Clear Lake	Sheridan	Mission Canyon, Red River	80,257
Colored Canyon	Sheridan	Red River	65,408
Comertown	Sheridan	Red River	23,717
Crane	Richland	Red River	180,978
Dagmar	Sheridan	Red River	34,647
Dagmar, North	Sheridan	Red River	1,579
Diamond Point	Roosevelt	Red River	69,525
Divide	Sheridan	Mission Canyon	38,646
Dry Creek	Carbon	Virgelle	130,096
Dry Creek, West	Carbon	Greybull	700
Dugout Creek	Richland	Red River	19,493
Dwyer	Sheridan	Ratcliffe	26,160
Eagle	Richland	Mission Canyon	49,842
Elk Basin	Carbon	Tensleep	598,368
Epworth	Richland	Red River	8,993
Fairview	Richland	Winnipegosis, Red River	402,431
Fairview, East	Richland	Red River	50,823
Fishhook	Sheridan	Red River	104,747
Fort Gilbert	Richland	Red River, Madison	10,259
Four Mile Creek	Richland	Red River	18,058
Four Mile Creek, West	Richland	Red River	12,415
Golden Dome	Carbon	Eagle, Greybull	14,392
Goose Lake	Sheridan	Ratcliffe	3,789
Goose Lake, West	Sheridan	Red River	9,008
Gypsy Basin	Pondera	Sunburst, Madison	48,793
Hay Creek	Richland	Mission Canyon, Red River	5,217
Highview	Pondera	Madison	5,641
Honker	Sheridan	Madison	10,226
Katy Lake, North	Sheridan	Red River	211,020
Lambert	Richland	Red River	40,908
Lone Butte	Richland	Red River	2,725
Lonetree Creek	Richland	Red River	91,628

ASSOCIATED MARKETED GAS PRODUCTION DATA — 1982 (CONTINUED)

**1982
Marketed
MCF**

Field	County	Producing Formation	MCF
Lookout Butte (Cor. Ck.)	Fallon	Interlake, Red River	68,238
Lowell	Sheridan	Red River	7,018
McCabe	Roosevelt	Ratcliffe	13,139
McCabe, East	Roosevelt	Winnipegosis	1,277
Medicine Lake	Sheridan	Red River, Winnipegosis	212,565
Midby	Sheridan	Red River	20,093
Miners Coulee	Toole	Sunburst	701
Missouri Breaks	Richland	Red River	64,640
Mona	Richland	Red River	36,470
MonDak, West	Richland	Madison, Red River	514,473
Mustang	Richland	Red River	40,597
North Antelope	Sheridan	Red River	74
North Fork	Richland	Madison, Red River	17,699
Otis Creek	Richland	Red River	39,552
Otis Creek, South	Richland	Red River	15,712
Otter Creek	Sheridan	Red River	2,323
Oxbow	Roosevelt	Red River	6,766
Pelican	Sheridan	Red River	11,355
Pennel	Fallon	Madison, Silurian, Ordovician	289,861
Pine	Dawson, Prairie, Fallon, Wibaux	Interlake, Mission Canyon, Red River	61,944
Putnam	Richland	Interlake, Mission Canyon, Red River	195,052
Rainbow	Richland	Red River	4,901
Raymond	Sheridan	Mississippian, Nisku, Winnipegosis, Red River	31,930
Reagan	Glacier	Madison	196,517
Red Bank	Roosevelt	Madison, Red River	89,443
Red Bank, South	Roosevelt	Red River	81,673
Red Fox	Roosevelt	Nisku	35
Refuge	Sheridan	Red River	10,231
Reserve	Sheridan	Red River	26,133
Ridgelawn	Richland	Madison, Red River	165,235
Rocky Point	Roosevelt	Red River	57,383
Second Creek	Richland	Red River	102,762
Sidney	Richland	Madison, Red River	30,944
Sidney, East	Richland	Madison	41,777
Singletree	Roosevelt	Red River	7,223
Sioux Pass	Richland	Mission Canyon, Interlake, Red River	83,102
Sioux Pass, East	Richland	Red River	3,092
Sioux Pass, Middle	Richland	Red River	103,592
Sioux Pass, North	Richland	Red River	249,892
Sioux Pass, South	Richland	Red River	3,685
South Fork	Richland	Red River	55,700
Spring Lake, South	Richland	Red River	16,402
Stampede	Richland	Red River	21,518
Target	Roosevelt	Mission Canyon	29,279
Three Buttes	Richland	Mission Canyon, Gunton, Red River	34,462
Vaux	Richland	Mission Canyon, Red River	143,003
West Butte	Toole	Sunburst	20,099
Whitlash	Liberty	Swift	108,185
Windmill	Richland	Red River	586
Wrangler	Sheridan	Red River	28,034
Wrangler, North	Sheridan	Red River	6,837
Wright Creek	Powder River	Muddy	1,119

SUBTOTAL ASSOCIATED GAS PRODUCED

6,649,583

SUBTOTAL NATURAL GAS MARKETING

44,282,577

TOTAL GAS MARKETING - 1982

50,932,160

NATURAL GAS IMPORTED MMCF

Canada	13,921
Wyoming	9,613
Dakotas	18,048

41,582 MMCF

NATURAL GAS EXPORTED MMCF

Canada	168
Wyoming	10,808
Dakotas	9,165
Midwest	9,669

29,810 MMCF

REFINERS' YEARLY TOTAL - 1982

COMPANY	BEGINNING STORAGE	MONTANA OIL	N. DAKOTA OIL	WYOMING OIL	CANADA OIL	REFINED STORAGE	ENDING
CONTINENTAL OIL CO.	171,034	2,881,068	—	3,623,902	8,525,328	15,052,624	148,323
EXXON COMPANY	227,999	303,637	—	10,554,762	1,437,637	12,440,751	83,284
FARMERS UNION	212,333	1,290,458	—	3,614,782	5,268,605	10,225,617	160,561
FLYING J OIL	10,553	1,367,852	—	—	—	1,352,646	25,759
KENCO REFINING	10,236	1,271,521	206	—	—	1,266,570	15,393
SIMMONS REFINING	6,724	1,923,968	—	—	170,687	2,093,632	7,307
TOTALS	638,879	9,038,504	206	17,793,446	15,402,257	42,431,840	440,627

PERCENTAGE OF CRUDE OIL REFINED

	MONTANA	CANADA	NORTH DAKOTA	WYOMING
Year: 1978	18.51%	44.71%	.14%	36.64%
Year: 1979	17.12%	46.58%	.01%	36.29%
Year: 1980	17.92%	39.42%	.06%	42.60%
Year: 1981	22.40%	30.40%	.04%	47.16%
Year: 1982	21.40%	36.47%	.00%	42.13%

AVERAGE BARRELS PER DAY

	MONTANA	CANADA	NORTH DAKOTA	WYOMING	TOTAL
Year: 1978	24,240	58,545	190	47,982	130,957
Year: 1979	23,747	64,598	17	50,322	138,684
Year: 1980	21,901	48,162	69	52,050	122,182
Year: 1981	23,812	32,320	40	50,133	106,305
Year: 1982	24,763	42,198	—	48,749	115,710

REFINING FIVE YEAR COMPARISON

1978	1979	1980	1981	1982
47,738,947	50,619,676	44,718,698	38,801,346	42,234,413

BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA

STATEMENT OF CRUDE OIL PRODUCTION AND VALUATION—ALL MONTANA FIELDS YEAR 1982 AND ACCUMULATED TOTALS FROM DISCOVERY DATE

FIELD	COUNTY	PRODUCTION YEAR 1982			CUMULATIVE TO DECEMBER 31, 1982	
		BARRELS	VALUE	AVERAGE PRICE	BARRELS	VALUE
Alkali Coulee	Sheridan	4,260	137,291	32.228	12,330	428,747
Andes	Richland	4,198	135,428	33.260	20,471	626,051
Antelope, North	Sheridan	734	24,272	33.068	2,484	85,522
Anvil	Roosevelt	359,983	11,700,887	32.504	1,069,511	30,591,137
Anvil, North	Sheridan	2,444	79,655	32.592	8,890	313,436
Ash Creek	Big Horn	6,886	224,250	32.566	797,720	2,708,509
Autumn	Valley	26,109	855,931	32.783	26,109	855,931
Bainville, North	Roosevelt	157,147	5,120,635	32.585	474,765	16,681,213
Bainville, West	Roosevelt	27,497	887,768	32.286	117,903	3,677,902
Bainville II	Roosevelt	24,548	786,739	32.049	44,700	1,504,150
Bannatyne	Teton	13,111	393,055	29.979	280,149	2,027,973
Bear's Den	Liberty	7,080	218,213	30.821	471,754	2,590,701
Belfry	Carbon	2,229	71,339	32.005	97,046	410,399
Bell Creek	Powder River	2,950,165	95,676,801	32.431	119,527,937	936,907,765
Benrud	Roosevelt	130	4,160	32.000	218,690	744,670
Benrud Area	Roosevelt	538	17,216	32.000	538	17,216
Benrud, East	Roosevelt	51,231	1,678,225	32.758	2,503,631	12,927,578
Benrud, Northeast	Roosevelt	11,204	363,536	32.447	928,762	3,484,305
Berthelote	Toole	574	12,701	22.128	54,893	249,570
Big Gully	Musselshell	3,837	111,315	29.011	89,486	1,235,307
Big Gully, North	Musselshell	977	29,927	30.632	16,777	335,353
Big Muddy Creek	Roosevelt	63,517	2,068,368	32.564	1,027,094	15,956,172
Big Wall	Musselshell	72,729	2,254,744	31.002	7,165,354	27,244,393
Black Diamond	Wibaux	34,548	1,130,860	32.733	48,218	1,609,310
Blackfoot	Glacier	37,378	1,142,085	30.555	1,206,943	6,635,014
Blue Hill	Richland	19,903	627,681	31.537	141,725	2,605,078
Border	Toole	7,344	225,659	30.727	1,345,121	3,621,871
Boulder	Richland	6,584	211,807	32.170	135,264	1,966,908
Bowes	Blaine	118,544	2,827,986	23.856	8,838,828	29,199,845
Box Canyon	Richland	18,171	587,468	32.330	101,853	3,705,418
Bradley	Glacier	5,313	162,535	30.592	232,553	1,242,503
Brady	Pondera	20,775	642,093	30.907	109,725	1,868,328
Bredette	Roosevelt	10,927	362,787	33.201	231,073	2,030,329
Breed Creek	Rosebud	57,077	1,658,943	29.065	599,244	10,974,657
Brorson-Madison	Richland	40,546	1,299,337	32.046	569,250	5,523,110
Brorson-Red River	Richland	56,864	1,833,807	32.249	1,981,003	10,036,081
Brorson, South	Richland	61,754	1,986,256	32.164	1,337,170	11,170,147
Brush Lake	Sheridan	85,443	2,787,492	32.624	2,056,205	13,915,498
Burget	Roosevelt	1,929	63,933	33.143	6,504	228,647
Burget, East	Roosevelt	25,666	828,190	32.268	34,649	1,149,069
Burns Creek	Dawson, Richland	8,393	269,642	32.127	199,657	1,798,398
Burns Creek, South	Richland	21,315	708,042	33.218	21,315	708,042
Cabin Creek	Fallon	1,536,132	46,693,804	30.397	80,890,695	346,776,313
Canal	Richland	96,444	3,095,660	32.098	645,274	6,873,734
Cannonball	Fallon	11,061	362,779	32.798	39,447	1,390,892
Carlyle	Wibaux	32,250	1,051,028	32.590	181,168	4,051,870
Cat Creek	Petroleum, Garfield	76,757	2,501,127	32.585	23,106,881	60,396,309
Charlie Creek	Richland	27,955	919,636	32.897	506,514	8,448,817
Charlie Creek, East	Richland	43,840	1,413,708	32.247	144,636	5,156,309
Charlie Creek, North	Richland	6,902	221,803	32.136	8,643	282,844
Clark's Fork	Carbon	909	28,092	30.904	85,050	313,527
Clark's Fork, North	Carbon	209	6,488	31.041	1,024,608	2,895,208
Clark's Fork, South	Carbon	44	1,408	32.000	80,553	634,021
Clear Lake	Sheridan	202,651	6,621,621	32.675	1,154,139	28,420,388
Colored Canyon	Sheridan	89,585	2,936,148	32.775	429,383	11,477,938
Comertown	Sheridan	289,257	9,348,208	32.318	583,018	20,035,608
Conrad, South	Pondera	2,028	61,669	30.409	139,271	761,053
Cow Creek	McCone	3,540	114,508	32.347	117,583	1,058,547

FIELD	COUNTY	PRODUCTION YEAR 1982			CUMULATIVE TO DECEMBER 31, 1982	
		BARRELS	VALUE	AVERAGE PRICE	BARRELS	VALUE
Cow Creek, East	McCone	69,009	2,244,104	32.519	2,059,431	20,663,695
Crane	Richland	256,992	8,381,794	32.615	601,494	20,449,194
Crocker Springs, East	Pondera	724	21,734	30.020	724	21,734
Culbertson	Roosevelt	3,633	114,861	31.616	172,684	1,046,749
Cupton	Fallon	102,973	3,328,396	32.323	1,676,016	17,345,946
Cut Bank	Glacier, Toole	1,247,718	38,228,832	30.639	155,032,447	569,018,311
Dagmar	Sheridan	57,937	1,902,303	32.834	325,644	6,877,431
Dagmar, North	Sheridan	8,669	283,511	32.704	24,031	843,210
Deadman's Coulee	Roosevelt	78,835	2,552,362	32.376	133,541	4,526,373
Dean Dome	Stillwater	17,138	325,433	18.989	56,211	947,687
Deer Creek	Dawson	4,772	146,949	30.794	2,284,889	6,056,493
Delphia	Musselshell	3,588	110,597	30.824	308,131	1,142,584
Devil's Basin	Musselshell	11,158	344,950	30.915	98,530	1,476,281
Diamond Point	Roosevelt	84,128	2,598,882	30.892	322,032	7,096,621
Divide	Sheridan	303,184	8,694,711	28.678	622,542	20,135,709
Dry Creek	Carbon	14,988	486,975	32.491	4,098,898	8,908,156
Dugout Creek	Richland	24,439	771,979	31.588	55,722	1,887,656
Dwyer	Sheridan	140,159	4,291,809	30.621	6,385,038	27,784,240
Eagle	Richland	231,214	6,749,368	29.191	738,673	18,680,130
Elk Basin	Carbon	640,179	18,272,629	28.543	77,929,432	262,578,901
Elk Basin, Northwest	Carbon	7,923	235,281	29.696	1,206,450	5,027,075
Enid, North	Richland	64,120	2,080,566	32.448	113,461	3,254,407
Epworth	Richland	18,100	585,354	32.340	53,502	1,858,976
Fairview	Richland	299,922	9,767,260	32.566	6,647,418	44,816,205
Fairview, East	Richland	107,843	3,518,054	32.622	175,415	5,905,170
Fairview, West	Richland	25,655	827,784	32.266	41,630	1,409,473
Fertile Prairie	Fallon	38,534	1,231,084	31.948	508,086	3,332,633
Fiddler Creek	Stillwater	724	13,938	19.252	1,089	25,916
Fishhook	Sheridan	220,679	7,231,209	32.768	349,622	11,985,352
Flat Coulee	Liberty	164,440	4,647,074	28.260	3,725,992	28,631,917
Flat Coulee, East	Liberty	168	4,977	29.626	1,054	35,497
Flat Lake	Sheridan	427,684	11,558,160	27.025	12,826,358	78,550,444
Flat Lake Area	Sheridan	7,632	246,147	32.252	7,632	246,147
Flat Lake, South	Sheridan	66,051	1,893,946	28.674	947,544	8,412,015
Flaxville	Daniels	15,747	507,368	32.220	15,747	507,368
Fort Gilbert	Richland	195,836	6,409,321	32.728	1,460,424	16,143,890
Four Mile Creek	Richland	23,983	787,506	32.836	267,525	4,590,283
Four Mile Creek, West	Richland	36,266	905,489	24.968	174,771	3,757,134
Fox Creek	Richland	34,506	1,131,935	32.804	156,370	3,533,921
Fox Creek, North	Richland	3,883	124,400	32.037	36,567	901,906
Frannie	Carbon	6,996	197,875	28.284	731,867	2,145,137
Fred & George Creek	Toole	200,172	6,154,488	30.746	12,241,759	64,898,264
Frog Coulee	Richland	11,697	378,714	32.377	105,674	3,410,657
Froid, South	Roosevelt	9,783	311,060	31.796	185,898	1,497,357
Gage	Musselshell	10,922	347,210	31.790	599,417	2,337,863
Gas City	Dawson	124,782	4,016,233	32.186	9,295,056	38,963,255
Girard	Richland	4,101	131,695	32.113	214,189	912,819
Glacier, East	Glacier	3,674	113,541	30.904	14,910	502,353
Glendive	Dawson	149,963	4,723,835	31.500	11,606,234	43,641,313
Glendive, South	Dawson	2,048	67,455	32.937	2,048	67,455
Golden Dome	Carbon	5,582	185,992	33.320	47,533	377,518
Goose Lake	Sheridan	214,905	6,217,846	28.933	7,699,159	42,335,407
Goose Lake, West	Sheridan	99,259	3,201,798	32.257	99,259	3,201,798
Gossett	Richland	7,590	238,265	31.392	14,490	488,842
Grabben Coulee	Glacier	87,900	2,570,460	29.243	1,528,742	13,763,374
Grandview	Liberty	1,372	41,965	30.587	4,615	48,948
Grandview, East	Liberty	4,291	130,519	30.417	21,021	561,856
Green Coulee	Sheridan	27,492	893,270	32.492	41,694	1,396,390
Gumbo Ridge	Rosebud	54,076	1,695,012	31.345	449,110	7,772,406
Gunsight	Roosevelt	20,824	659,413	31.666	23,149	744,897
Gypsy Basin	Pondera	30,882	939,616	30.426	341,634	4,689,132
Hard Pan	Pondera	391	11,850	30.307	603	19,270
Hardscrabble Creek	Richland	3,873	123,979	32.011	11,411	348,778

**CUMULATIVE TO
DECEMBER 31, 1982**

PRODUCTION YEAR 1982

FIELD	COUNTY	BARRELS	VALUE	AVERAGE PRICE	BARRELS	VALUE
Hawk Creek	Musselshell	860	27,060	31.465	8,604	80,119
Hawk Haven	Richland	2,141	69,396	32.413	4,905	165,970
Hay Creek	Richland	30,471	987,961	32.423	1,072,513	6,237,927
Hiawatha	Musselshell	26,520	838,748	31.627	1,406,367	6,754,811
Hibbard	Rosebud	21,618	689,636	31.901	202,151	1,593,163
High Five	Rosebud	150,853	4,779,023	31.680	1,394,668	28,235,718
Highview	Pondera	5,471	157,860	28.854	19,282	526,964
Honker	Sheridan	14,742	473,911	32.147	41,025	1,424,118
Horse Creek	Liberty	959	26,302	27.426	7,524	138,762
Howard Coulee	Musselshell	6,039	186,484	30.880	109,278	1,475,612
Injun Creek	Rosebud	37,862	1,225,366	32.364	68,596	1,555,919
Intake II	Richland	148,007	4,848,413	32.758	198,465	6,620,801
Ivanhoe	Musselshell	9,654	304,323	31.523	4,446,946	12,985,555
Jim Coulee	Musselshell	114,714	3,609,476	31.465	3,701,479	32,074,219
Katy Lake, North	Sheridan	435,176	14,207,626	32.648	1,357,989	47,557,711
Keg Coulee	Musselshell	52,827	1,666,639	31.549	4,980,285	22,339,299
Keg Coulee, North	Musselshell	19,281	606,889	31.476	393,245	3,697,286
Kelley	Musselshell	10,098	318,844	31.575	906,340	4,038,299
Kevin-Sunburst	Toole	613,859	18,781,016	30.595	74,399,438	194,87 3,371
Kicking Horse	Toole	156	4,992	32.000	1,077	37,154
Kincheloe Ranch, West	Rosebud	70,468	2,225,168	31.577	237,399	7,766,264
Kippen, East	Toole	18	576	32.000	108	3,606
Krug Creek	Dawson	4,381	139,640	31.874	15,288	538,314
Laird Creek	Liberty	9,131	279,263	30.584	532,278	3,668,041
Lambert	Richland	89,247	2,865,096	32.103	148,173	4,973,985
Lambert, North	Richland	10,673	347,886	32.595	29,082	1,009,726
Landslide Butte	Glacier	2,562	78,902	30.797	46,576	426,253
Lariat	Sheridan	1,414	46,371	32.794	3,599	123,587
Leary	Powder River	29,612	937,072	31.645	445,410	4,924,853
Ledger	Pondera	29	928	32.000	29	928
Little Beaver	Fallon	399,639	11,964,392	29.938	10,048,624	59,720,059
Little Beaver, East	Fallon	112,592	3,361,547	29.856	4,776,722	22,447,529
Little Phantom	Toole	5,675	171,947	30.299	34,951	713,930
Little Wall Creek	Musselshell	300,475	9,455,648	31.469	2,459,112	41,044,075
Lodge Grass	Big Horn	5,673	168,874	29.768	264,707	1,088,971
Lone Butte	Richland	11,756	385,820	32.819	335,232	4,965,871
Lone Rider	Roosevelt	997	32,386	32.483	2,505	86,700
Lonetree Creek	Richland	135,269	4,370,947	32.313	2,715,564	25,813,358
Lonetree Creek, West	Richland	13,157	423,471	32.186	13,157	423,471
Long Creek	Roosevelt	4,828	157,963	32.718	44,033	823,806
Long Creek, West	Roosevelt	46,338	1,495,327	32.270	315,483	6,643,713
Lookout Butte	Fallon	525,401	16,023,680	30.498	20,505,824	102,409,496
Lowell	Sheridan	42,630	1,387,734	32.553	109,139	3,784,809
Lustre	Valley	99,560	3,046,835	30.603	99,560	3,046,835
Mackay Dome	Stillwater	15,010	279,756	18.638	44,620	881,835
Malcolm Creek	Sheridan	5,134	164,550	32.051	5,134	164,550
Mason Lake	Musselshell	72,739	2,359,071	32.432	659,831	15,653,444
Mason Lake North	Musselshell	1,757	55,156	31.392	13,686	323,557
McCabe	Roosevelt	30,357	1,027,342	33.842	120,100	3,208,984
McCabe, East	Roosevelt	711	24,301	34.178	3,282	115,589
McCabe, South	Roosevelt	4,396	141,929	32.286	4,396	141,929
Meander	Pondera	639	19,530	30.563	1,543	49,257
Medicine Lake	Sheridan	296,052	9,669,354	32.661	1,474,490	50,535,927
Melstone	Musselshell	193,758	6,039,049	31.168	2,663,417	26,075,4 65
Midby	Sheridan	33,181	1,063,119	32.040	49,338	1,658,197
Miners Coulee	Toole	2,623	80,558	30.712	146,664	975,437
Missouri Breaks	Richland	85,742	2,740,314	31.960	85,742	2,740,314
Mon Dak West	Richland	779,752	25,455,004	32.645	4,864,516	117,831,498
Mona	Richland	39,249	1,249,727	31.841	39,249	1,249,727
Monarch	Fallon	127,592	3,915,543	30.688	4,612,367	25,853,135
Mosser Dome	Yellowstone	8,531	256,536	30.071	308,133	1,622,529
Mustang	Richland	58,370	1,891,363	32.403	247,819	8,534,903
Nohly	Richland	50,231	1,609,251	32.037	1,061,221	11,545,978
North Fork	Richland	37,281	1,205,183	32.327	264,383	5,327,061

FIELD	COUNTY	PRODUCTION YEAR 1982			CUMULATIVE TO DECEMBER 31, 1982	
		BARRELS	VALUE	AVERAGE PRICE	BARRELS	VALUE
Ollie	Fallon	35,635	1,169,897	32.830	138,875	4,991,146
Otis Creek	Richland	59,724	1,900,358	31.819	702,371	8,355,389
Otis Creek, South	Richland	22,660	730,219	32.225	22,660	730,219
Otter Creek	Sheridan	5,229	171,286	32.757	18,687	662,684
Outlook	Sheridan	116,322	3,767,670	32.390	7,693,309	39,072,776
Outlook, South	Sheridan	5,553	181,478	32.681	670,245	2,323,545
Outlook, West	Sheridan	10,162	332,866	32.756	584,097	2,987,408
Oxbow	Roosevelt	8,755	282,813	32.303	157,558	3,167,547
Palomino	Roosevelt	207,722	6,783,162	32.655	398,602	13,627,142
Pasture	Dawson	2,836	89,918	31.706	2,836	89,918
Pasture Creek	Dawson	1,914	62,789	32.805	1,914	62,789
Pelican	Sheridan	20,612	671,951	32.600	87,841	3,018,612
Pennel	Fallon	3,101,867	94,231,618	30.379	52,840,052	456,238,923
Pete Creek	Toole	1,519	46,173	30.397	11,312	235,320
Phantom	Toole	2,295	70,560	30.745	40,019	656,902
Pine	Dawson, Prairie, Fallon, Wibaux	1,934,527	59,194,592	30.599	95,647,491	415,775,108
Plentywood	Sheridan	7,372	242,64	32.914	10,254	343,927
Pondera	Pondera, Teton	416,085	12,694,337	30.509	22,496,200	99,017,024
Pondera Coulee	Teton	2,686	73,341	27.305	38,086	460,508
Poplar, East	Roosevelt	264,776	8,595,423	32.463	43,928,022	148,737,889
Poplar, Northwest	Roosevelt	99,764	3,239,038	32.467	1,535,393	20,292,073
Poplar, Southeast	Roosevelt	3,169	103,091	32.531	158,882	984,829
Prairie Elk	McCone	3,698	113,836	30.783	63,762	867,997
Prichard Creek	Toole	4,735	144,929	30.608	116,382	1,292,604
Putnam	Richland	289,763	9,427,439	32.535	2,568,611	57,836,456
Rabbit Hills	Blaine	59,404	1,435,319	24.162	587,170	8,473,587
Ragged Point	Musselshell	38,379	1,186,333	30.911	3,233,914	19,085,882
Rainbow	Richland	33,459	1,072,361	32.050	33,459	1,072,361
Rattler Butte	Rosebud	256,995	8,197,370	31.897	459,276	12,772,335
Rattlesnake Coulee	Toole	889	26,563	29.880	87,794	616,790
Raymond	Sheridan	234,837	7,685,041	32.725	3,233,034	52,502,931
Raymond, North	Sheridan	9,081	291,064	32.052	9,081	291,064
Raymond, Northeast	Sheridan	1,933	45,733	23.659	118,671	1,662,435
Reagan	Glacier	248,193	7,590,735	30.584	7,310,669	54,221,734
Red Bank	Roosevelt	279,408	9,040,805	32.357	625,090	21,486,881
Red Bank, South	Roosevelt	92,977	3,078,004	33.105	115,244	3,814,819
Red Creek	Glacier	68,341	2,112,489	30.911	5,454,855	20,265,132
Red Fox	Roosevelt	2,145	68,438	31.906	369,805	1,440,501
Redstone	Sheridan	4,991	162,702	32.599	453,433	1,851,974
Refuge	Sheridan	15,235	499,464	32.784	77,297	2,838,931
Repeat	Carter	10,008	273,659	27.344	494,108	2,377,238
Reserve	Sheridan	82,032	2,646,024	32.256	1,464,231	11,121,256
Richey	Dawson, McCone	13,043	420,728	32.257	1,955,899	6,181,259
Richey, East	Dawson	6,824	222,203	32.562	8,621	281,504
Richey, Southwest	McCone	5,592	180,655	32.306	1,885,257	5,974,562
Ridgelawn	Richland	634,571	20,518,219	32.334	1,460,721	48,850,32 6
RipRap Coulee	Roosevelt	46,083	1,448,527	31.433	230,982	4,877,208
River Bend	Richland	30,085	968,286	32.185	51,382	1,687,528
Rocky Point	Roosevelt	73,580	2,385,243	32.417	166,216	4,556,624
Roscoe Dome	Carbon	2,215	39,104	17.654	9,121	237,248
Rosebud	Rosebud	14,084	446,153	31.678	382,452	5,501,260
Royals	Dawson	44,091	1,452,358	32.940	89,323	3,099,068
Royals, South	Dawson	2,012	65,843	32.725	2,666	88,733
Rudyard	Hill	3,085	88,786	28.780	10,304	218,885
Runaway	Teton	209	6,354	30.402	1,764	62,210
Rush Mountain	Sheridan	16,147	527,506	32.669	406,493	2,666,804
Salt Lake	Sheridan	14,051	457,205	32.539	332,478	2,691,910
Sand Creek	Dawson	21,615	665,569	30.792	2,264,059	9,869,935
Second Creek	Richland	50,884	1,640,704	32.244	931,358	13,649,783
Sheepherder	Musselshell	2,387	75,754	31.736	64,590	1,008,859
Shotgun Creek	Roosevelt	14,823	482,400	32.544	90,947	655,016
Shotgun Creek, North	Roosevelt	7,246	237,698	32.804	86,583	1,474,181
Sidney	Richland	264,120	8,524,209	32.274	1,992,077	36,584,623

PRODUCTION YEAR 1982

**CUMULATIVE TO
DECEMBER 31, 1982**

FIELD	COUNTY	AVERAGE			BARRELS	VALUE
		BARRELS	VALUE	PRICE		
Sidney, East	Richland	91,292	2,944,897	32.258	261,243	9,142,444
Singletree	Roosevelt	11,297	336,797	29.813	70,455	1,379,271
Sioux Pass	Richland	168,417	5,413,933	32.146	2,426,160	36,033,996
Sioux Pass, East	Richland	5,982	193,171	32.292	53,199	964,562
Sioux Pass, Middle	Richland	125,354	4,051,567	32.321	858,513	19,863,182
Sioux Pass, North	Richland	377,795	12,288,538	32.527	1,988,639	45,721,781
Sioux Pass, South	Richland	31,764	1,012,541	31.877	31,764	1,012,541
Snoose Coulee	Liberty	498	15,936	32.000	678	21,857
Snyder	Big Horn	4,544	129,054	28.401	436,253	1,373,273
Soap Creek	Big Horn	56,858	1,466,538	25.793	2,235,838	11,524,686
Soap Creek, East	Big Horn	9,728	238,560	24.523	66,834	1,324,371
South Fork	Richland	75,571	2,427,341	32.120	643,818	12,227,320
Spring Lake	Richland	29,567	961,578	32.522	751,067	4,166,230
Spring Lake, South	Richland	20,555	671,367	32.662	38,155	1,297,593
Stampede	Richland	47,905	1,474,085	30.771	88,072	2,934,391
Stampede, North	Richland	1,092	35,182	32.218	1,092	35,182
Stensvad	Musselshell, Rosebud	15,355	465,794	30.335	10,051,492	26,699,256
Sumatra	Rosebud	690,390	21,726,573	31.470	39,604,870	232,826,756
Sunnyhill	Sheridan	15,379	498,956	32.444	115,587	2,805,654
Target	Roosevelt	190,167	5,975,998	31.425	197,112	6,219,504
Three Buttes	Richland	54,634	1,796,967	32.891	123,150	4,181,566
Tippy Buttes	Musselshell	16,032	469,353	29.276	59,683	1,898,307
Tule Creek	Roosevelt	102,735	3,332,210	32.435	7,573,599	30,545,895
Tule Creek, East	Roosevelt	7,797	252,288	32.357	1,974,998	6,303,538
Tule Creek, South	Roosevelt	4,121	131,443	31.896	682,285	2,983,281
Two Medicine Creek	Glacier	90	2,880	32.000	10,249	370,951
Two Waters	Richland	21,373	669,573	31.328	66,298	2,357,887
Utopia Swift	Liberty	43,939	1,348,180	30.683	275,327	5,966,413
Vaux	Richland	340,388	10,821,615	31.792	1,444,607	34,976,738
Vida	McCone	2,871	93,052	32.411	258,624	1,028,716
Volt	Roosevelt	78,545	2,549,728	32.462	2,500,832	15,253,826
Wagon Box	Musselshell	797	23,176	29.079	22,836	308,159
Wagon Trail	Richland	23,855	750,598	31.465	23,855	750,598
Weed Creek	Yellowstone	3,655	115,885	31.706	589,042	2,243,214
Weldon	McCone	16,802	550,635	32.772	7,023,718	19,700,062
West Butte	Toole	11,650	356,106	30.567	253,621	2,138,332
West Fork	Roosevelt	2,260	74,153	32.811	6,671	229,773
Whitlash	Liberty	208,782	6,401,256	30.660	4,754,478	36,955,082
Whitlash, West	Liberty	5,732	173,869	30.333	76,698	822,849
Willow Creek, North	Musselshell	10,208	311,303	30.496	291,614	2,401,944
Willow Ridge	Toole	3,952	122,137	30.905	27,371	658,814
Willow Ridge, South	Toole	2,958	94,656	32.000	3,054	97,968
Wills Creek, South	Fallon	28,504	867,263	30.426	926,995	5,681,838
Windmill	Richland	3,915	126,220	32.240	3,915	126,220
Winnett Junction	Musselshell	54,360	1,702,990	31.328	625,572	10,556,686
Wolf Springs	Yellowstone	12,940	401,955	31.063	4,594,167	12,853,770
Woodrow	Dawson	17,002	530,717	31.215	1,062,070	4,185,056
Wrangler	Sheridan	42,323	1,382,058	32.655	173,808	6,260,972
Wrangler, North	Sheridan	12,258	402,393	32.827	54,773	2,023,210
Wright Creek	Powder River	9,462	306,143	32.355	232,037	2,198,815
Yates	Wibaux	10,615	346,325	32.626	21,266	719,110
Misc. Abandoned Fields		—	—	—	2,679,297	9,945,318
TOTALS		30,917,311	966,344,510	31.256	1,109,606,295	6,360,694,694

MISCELLANEOUS ABANDONED FIELDS AS OF DECEMBER 31, 1982

FIELD	BARRELS	DOLLARS
Bainville	264,518	\$ 989,773
Bascom	27,830	65,674
Big Wall, North	7,218	116,302
Blackfoot, East	810	1,730
Blackleaf	26	884
Bloomfield	7,163	18,589
Bredette, North	488,554	1,160,009
Butchers Creek	579	20,259
Bynum	5,971	15,320
Cadmus	1,173	3,381
Chelsea Creek	11,548	43,764
Coalridge	18,018	698,829
Dry Creek West	5,042	148,829
Four Buttes	41,067	122,184
Gage, Southwest	16,289	37,397
Gettysburg	304	11,987
Goose Lake East	4,522	168,087
Jack Creek	1,310	3,275
Katy Lake	1,056	2,872
Lake Basin	473,639	661,111
Lakeside	487	18,489
Laurel	1,017	36,458
Line Coulee	57,789	138,495
Lisk Creek	1,939	70,297
Mineral Bench	161,727	869,341
Musselshell	17,289	114,737
Pine, East	19,349	233,378
Pole Creek	169,726	277,956
Rattlesnake Butte	5,920	6,592

FIELD	BARRELS	DOLLARS
Red Water	21,995	814,563
Richey Area West	11,062	403,670
Rough Creek	3,599	10,583
Scobey	3,916	145,674
Smoke Creek	100,305	221,361
Snowden	1,938	70,607
Viking	160	1,957
Wibaux	23,580	42,945
Wolf Creek	1,979	2,275
Woman's Pocket	3,526	7,461
Yellowstone	39,405	72,518
Wildcat, Blaine County	9,324	19,667
Wildcat, Carbon County	6,368	13,559
Wildcat, Daniels County	3,508	7,787
Wildcat, Dawson	277	10,456
Wildcat, Fallon County	10,683	29,485
Wildcat, Glacier County	48,231	124,918
Wildcat, Hill County	161	1,804
Wildcat, Liberty County	3,254	19,148
Wildcat, McCone County	12,575	41,467
Wildcat, Musselshell County	925	1,841
Wildcat, Powder River County	27,445	65,594
Wildcat, Richland County	339,856	818,099
Wildcat, Roosevelt County	86,154	236,920
Wildcat, Sheridan	51,711	547,362
Wildcat, Stillwater County	11,283	13,365
Wildcat, Toole County	35,809	118,817
Wildcat, Wibaux County	8,388	25,416
TOTALS	2,679,297	9,945,318

1982 — OIL AND GAS DISCOVERIES, EXTENSIONS, * AND NEW PAY ZONES * *

COUNTY	OPERATOR-WELL NAME AND LOCATION	FIELD	TOTAL DEPTH	INITIAL Oil B/D,	POTENTIAL Gas MCF/D	PRODUCING FORMATION	DATE COMPLETED
CARBON	Montana Power Company, Hamburg 13-29, 29-6S-21E	West Dry Creek*	6,565	34	0	3rd Frontier	7-29-82
CHOUTEAU	Viking Resources Corp., State 1X Ranch 1, 16-27N-14E	Little Creek**	3,987	0	0	Upper Eagle	8-25-82
	Monterrey Petroleum, Huffman 1-18, 18-26N-3E	Hardpan*	975	0	1125	Bow Island	12-1-81
DANIELS	Sun Exploration, Roos #1, 2-35N-50E	Flaxville	10,500	96	0	Mission Canyon	8-14-82
DAWSON	Davis Oil Co., Buxbaum #1, 27-19N-56E	South Burns Creek	11,540	133	0	Red River	10-23-81
	Placid Oil Co., State, 16-1, 16-21N-52E	Pasture Creek**	10,838	110	0	Red River	9-26-82
	Placid Oil Co., Pfaff 9-9, 9-21N-52E	Pasture Creek	11,034	75	0	Interlake	6-30-82
	Southland Royalty Co., Federal 1-24, 24-15N-55E	South Glendive	10,300	362	0	Red River	10-5-82
PONDERA	Oxy Petroleum Inc., Field 1-34,34-29N-6W	E. Crocker Springs	3,485	0	0	Madison	3-28-82
RICHLAND	Bass Enterprises, Smart Federal 22-44, 22-22N-59E	Eagle**	12,448	160	0	Red River	4-5-82
	Cenex, Bradley 1-5, 5-21N-58E	Fox Creek*	12,194	75	0	Red River	12-24-81
	Coquina Oil Corp, Coastal BNRR #1, 27-25N-56E	Hardscrabble Creek	12,550	121	0	Red River	9-30-81
	Coquina Oil Corp, Simonsen #1, 12-24N-56E	W. Lonetree Creek	12,540	88	0	Red River	10-9-81
	Luff Exploration, Lawson Ranch M-20, 20-27N-57E	Missouri Breaks	12,140	233	0	Red River	3-24-82
	Pennzoil, Putnam #1, 17-23N-57E	South Fork**	9,675	6	0	Mission Canyon	2-18-82
	Flare Energy Corp BN 9-27, 27-25N-54E	Spring Lake**	10,850	90	0	Bakken	4-24-82
	Coastal Oil & Gas, COGC/ALAQ BN #1, 35-21N-59E	Wagontrail	12,609	675	0	Red River	5-9-82
	Flare Energy Corp. BN 10-23, 23-23N-54E	N. Enid Area	11,820	50	0	Red River	9-1-82
	Husky Oil Co., Miller State 1-8, 8-26N-54E	Mona	11,320	210	0	Red River	1-7-82
	Al-Aquitaine Exploration Ltd., Bahls 12-1, 1-23N-56E	Rainbow	12,551	220	0	Red River	6-7-82
	Universal Resources, Lanark-State 1-23, 23-27N-56E	Unnamed	12,550	17	0	Ratcliffe	8-11-82
	Union Texas Pet. Corp., Wick 34-1, 34-25N-56E	W.Lonetree Creek*	12,605	52	0	Red River	7-13-82
ROOSEVELT	Flare Energy Corp, Snakebutte Ranch #2, 22-29N-58E	East Burget	12,717	46	0	Nisku	5-9-82
	Puma Petroleum, Olson 1-31, 31-29N-57E	South McCabe*	10,540	41	0	Nisku	5-29-82
	Donald C. Slawson, Jacobson 34-1, 34-30N-57E	Shotgun Creek*	12,481	80	0	Red River	1-6-82
	Sun Exploration, B. Mattingly 1, 9-29N-59E	Red Bank*	9,750	13	0	Mission Canyon	4-15-82
SHERIDAN	Diamond Shamrock, Walter Goetz 44-10, 10-36N-57E	Comertown**	9,050	342	0	Nisku	9-17-82
	Diamond Shamrock, Lagerquist 12-14, 14-36N-57E	Comertown**	6,807	75	0	Ratcliffe	10-17-81
	Everett Drilling Ventures, Lindblom 2-31, 31-37N-54E	North Raymond	10,248	228	0	Red River	7-1-82
	Donald C. Slawson, Christiansen 12-1, 12-32N-58E	Dwyer**	11,605	518	0	Red River	9-4-82
	Patrick Petroleum Corp., Goff 1-32, 32-35N-57E	W. Goose Lake Area	11,200	155	0	Red River	12-18-82
	Tipperary Oil & Gas Corp., Krogstad 1-27, 27-34N-53E	Malcolm	10,934	63	0	Mission Canyon	4-13-82
	The Anschutz Corp., Torpen 9-30, 30-37N-57E	Flat Lake Area	10,570	100	0	Nisku	4-11-82
STILLWATER	Eastern American Energy, Wepler 1, 10-4N-19E	Big Coulee*	2,515	0	250	2nd Cat Creek	12-22-82
TOOLE	Jerry L. Branch, Grant 4-33, 33-31N-1E	Unnamed	598	0	227	Upper Bow Island	6-14-82
	Jerry L. Branch, Wilson 1-21, 21-31N-1W	Unnamed	975	0	55	Upper Bow Island	4-29-82
VALLEY	Sun Oil Co., Guanche Federal 1, 5-31N-43E	Autumn	8,400	265	0	Mission Canyon	1-30-82
	Exxon Corp., Tieszen-Towes 1, 3-30N-44E	Lustre	7,270	254	0	Charles C	7-1-82

1982 - SUMMARY OF SECONDARY RECOVERY PROJECTS

Field	Formation	Operator	Type of Project	Injection Pattern	Date Inj. Com.	1982	Avg. Daily Inj. Rate Bbls. or MCF	No. of Inj. Wells	Source of Injection Media and Remarks
						Cumulative Injections M Bbls. or MMCF			
Ash Creek Crow Tribal	Shannon	Mobil	Waterflood	Peripheral	—	254	5	1	Produced
Ash Creek Su (Mt Portion)	Shannon	Mobil	Waterflood	Peripheral	10/64	1,119	130	4	Produced
Bell Creek Tertiary Pilot	Muddy	Gary Energy	Polymer Inj	5 Spot	7/76	4,378	1,938	4	Surface
Bell Creek Tertiary Incentive	Muddy	Gary Energy	Polymer Inj	5 Spot	12/80	17,838	31,332	30	Surface
Bell Creek A	Muddy	Gary Energy	Waterflood	Peripheral	7/70	137,160	34,931	37	Madison
Bell Creek B	Muddy	Gary Energy	Waterflood	Peripheral	10/77	41,597	10,059	14	Madison
Bell Creek C	Muddy	Gary Energy	Waterflood	Peripheral	9/71	25,758	7,674	5	Madison
Bell Creek D	Muddy	Gary Energy	Waterflood	Peripheral	1/72	30,317	5,716	10	Madison
Bell Creek E	Muddy	Gary Energy	Waterflood	Peripheral	1/72	23,485	8,756	26	Madison
Bell Creek Ranch Creek	Muddy	Gary Energy	Waterflood	Peripheral	3/71	39,677	4,059	8	Madison
Big Wall BSU	Upper Tyler	Texaco	Waterflood	Random	8/66	28,655	5,750	2	Produced
Big Wall Quinell	Tyler	Texaco	Waterflood	UK	—	4,289	2,280	1	UK
Blackfoot	Cut Bank	Croft Petroleum	Waterflood	Random	7/76	1,202	650	3	Madison
Border New	Cut Bank	P&M Petroleum	Waterflood	Random	—	—	—	1	Madison
Border Old	Cut Bank	P&M Petroleum	Waterflood	Random	6/73	1,015	400	3	Madison
Cabin Creek	Siluro Ord	Shell	Waterflood	Semi Peripheral	6/59	214,055	28,575	27	Produced
Cat Creek East Oome	Ellis Sand	Hoss	Waterflood	Semi Peripheral	7/7	904	260	4	Third Cat Creek
Cat Creek Mosby Dome	Swift	Cenex	Waterflood	Random	7/67	5,475	716	3	Third Cat Creek
Cat Creek Mosby Amsden	Amsden	Cenex	Waterflood	Random	6/71	304	80	1	Third Cat Creek
Cat Creek Unit 1	1st Cat	Cenex	Waterflood	Semi Peripheral	10/62	6,719	403	2	Third Cat Creek
Cat Creek Unit 1	2nd Cat	Cenex	Waterflood	Semi Peripheral	10/62	8,034	1,403	3	Third Cat Creek
Cat Creek Unit 2	1st Cat	Cenex	Waterflood	Semi Peripheral	12/59	9492	77	1	Third Cat Creek
Cat Creek Unit 2	2nd Cat	Cenex	Waterflood	Semi Peripheral	12/59	10,650	1,151	3	Third Cat Creek
Cut Bank Dahlquist	Cut Bank	Union Oil	Waterflood	Random	11/79	20	0	1	Madison
Cut Bank Lander A	Lander Sand	Phillips	Waterflood	Random	4/65	1,890	244	2	Madison
Cut Bank Marina	Cut Bank	P & M Petroleum	Waterflood	5 Spot	6/72	2,075	0	0	Madison
Cut Bank McGuiness	Madison	Union Oil	Waterflood	Random	12/62	5,960	978	1	Madison
Cut Bank N. Central	Cut Bank	Phillips	Waterflood	5 Spot	5/78	3,273	1,805	17	Madison
Cut Bank N. East	Moulton	Fair	Waterflood	5 Spot	6/63	5,835	128	2	Madison
Cut Bank N. West	Cut Bank	Phillips	Waterflood	5 Spot	1/62	17,822	1,323	11	Madison
Cut Bank S. Central	Cut Bank	Union Oil	Waterflood	5 Spot	5/63	41,385	4,425	29	Madison
Cut Bank S. East	Cut Bank	Texaco	Waterflood	5 Spot	4/62	77,023	3,102	25	Madison
Cut Bank S. West	Cut Bank	Phillips	Waterflood	5 Spot	9/62	108,404	12,827	71	Madison & Recycled
Cut Bank Tesoro	Cut Bank	Oamson Oil	Waterflood	5 Spot	9/71	5,653	1,025	12	Madison & Recycled
Cut Bank Tweedy	Cut Bank	P&M Petroleum	Waterflood	5 Spot	6/72	1,155	149	?	Madison
Cut Bank Two Medicine	Cut Bank	Conoco	Waterflood	Random	12/67	53,210	5,307	46	Madison & Recycled
Darling	Cut Bank	P&M Petroleum	Waterflood	Random	2/67	—	—	—	Madison
Darling North	Moulton	Buttes Resources	Waterflood	Random	2/68	2,472	—	—	Produced
Darling South	Moulton	Buttes Resources	Waterflood	Random	2/67	7,548	—	—	Madison
Dean Dome	Greybull	Eastern Am Energy	Steam Inj	Cyclic	8/81	15	—	1	Surface
Dwyer	Charles	Phillips	Waterflood	Peripheral	10/68	4,713	2,666	5	Madison
Elk Basin	Frontier	Amoco	Waterflood	Crestal	12/72	90,381	8,750	9	Produced
Elk Basin N. West	Tensleep	Arco	Waterflood	Semi Peripheral	5/76	10,231	378	2	Produced
Flat Coulee	Swift	Phillips	Waterflood	Peripheral	2/72	7,855	2,036	14	Eagle
Frannie	Tensleep	Conoco	Waterflood	Random	11/70	127,449	45,520	24	Produced
Frannie	Tensleep	Conoco	Lpg Inj	Random	11/70	69,312	29,703	26	Produced
Fred & George Creek	Sunburst	Fulton	Waterflood	Random	7/76	34,058	8,608	2	Madison & Eagle
Gas City	Red River	Shell	Waterflood	Semi Peripheral	10/69	12,996	41	1	Mission Canyon
Goose Lake	Ratcliffe	Cotton Petroleum	Waterflood	Semi Peripheral	1/73	13,649	5,863	5	Produced
Gumbo Ridge	Tyler B	Milestone Petroleum	Waterflood	Semi Peripheral	6/80	868	962	2	Produced Cat Creek
Jim Coulee	Tyler	McAlester Fuel	Waterflood	Semi Peripheral	7/72	12,087	3,276	5	Produced Cat Creek
Keg Coulee	Tyler	Buttes Resources	Waterflood	Semi Peripheral	8/66	4,246	1,143	2	Madison
Keg Coulee Tyler	Tyler	Juniper Petroleum	Waterflood	Semi Peripheral	12/69	3,609	—	—	Produced
Keg Coulee Unit	Tyler	Bison Operating	Waterflood	Semi Peripheral	1/70	7,530	—	—	Madison
Kelley	Tyler B	McAlester Fuel	Waterflood	Random	7/69	3,553	516	1	3rd Cat Creek
Kevin Sunburst	Sunburst	Texaco	Waterflood	Random	8/64	11,981	268	1	Madison
Kevin Sunburst Homestake	Sunburst	Petro Lewis	Waterflood	Random	8/64	6,944	835	7	Produced & WSW
Laird Creek	Swift	Milestone Petroleum	Waterflood	Semi Peripheral	2/77	802	1	2	WSW
Little Beaver	Red River	Shell Oil	Waterflood	Semi Peripheral	8/66	14,875	195	12	Produced
Little Beaver East	Red River	Shell Oil	Waterflood	Semi Peripheral	4/65	37,793	7,017	17	Produced
Lookout Butte Coral Creek	Red River	Shell Oil	Waterflood	Semi Peripheral	4/67	33,394	5,834	13	Minnelusa
Monarch	Siluro Ord	Shell Oil	Waterflood	UK	—	5,263	667	1	UK
Pennel	Stoney Mtn & RR	Shell Oil	Waterflood	Random	8/69	106,428	42,046	55	Oakota & Produced
Pine S. A	Siluro Ord	Shell Oil	Waterflood	Semi Peripheral	3/59	18,441	50,612	25	Fox Hills & Produced
Pine N. C&D	Red River	Shell Oil	Waterflood	Semi Peripheral	3/68	19,663	2,404	9	Lodgepole

Field	Formation	Operator	Type of Project	Injection Pattern	Date Inj. Com.	1982	Avg. Daily Inj. Rate Bbls. or MCF	No. of Inj. Wells	Source of Injection Media and Remarks
						Cumulative Injections M Bbls. or MMCF			
Pine Fox Hills	Fox Hills	Shell Oil	Waterflood	Semi Peripheral	—	44,364	1,866	1	UK
Prichard Creek	Sunburst	Fulton Producing	Waterflood	Random	4/73	527	323	1	Eagle
Ragged Point Tyler A	Tyler	Buttes Resources	Waterflood	Semi Peripheral	12/66	8,587	370	5	Cat Creek
Ragged Point S. West	Tyler	Petro Lewis	Waterflood	UK	10/82	52	1,679	3	WSW
Reagan Dome	Madison	Union Oil	Waterflood	Random	7/73	2,840	1,049	4	Produced
Red Creek	Cut Bank	Exxon	Waterflood	5 Spot	6/65	16,290	2,492	5	Madison
Richey S. West	Dawson Bay & Interlake	Arco	Waterflood	Random	12/65	2,639	128	1	WSW
Roscoe Dome	Lakota	E. Am. Energy	Steam Inj	UK	—	5	157	1	Surface (1 month)
Stensvad	Tyler	Tomahawk Oil	Waterflood	Semi Peripheral	12/63	28,340	264	1	Produced
Sumatra Central	Tyler	Texaco	Waterflood	Semi Peripheral	9/69	114,433	26,636	18	Madison & Produced
Sumatra Grebe	Tyler	Cenex	Waterflood	Random	6/75	552	88	1	Madison & Produced
Sumatra N. East	Tyler	Texaco	Waterflood	Semi Peripheral	9/69	7,733	1,337	4	Madison & Produced
Sumatra Sawyer	Tyler	Buttes Resources	Waterflood	Semi Peripheral	6/8	743	611	2	Madison
Sumatra S. East	Tyler	Buttes Resources	Waterflood	Semi Peripheral	12/69	17,241	3,184	5	Madison
Sumatra West	Tyler	Conoco	Waterflood	Semi Peripheral	10/68	39,275	9,718	10	Produced
Sumatra W. Kincheloe	Krider	Exeter	Waterflood	Semi Peripheral	—	1,475	2,700	3	Krider
Tippy Buttes	Tyler	True Oil	Waterflood	Random	—	17	90	1	Dakota
Winnett Junction	Tyler	Petro Lewis	Waterflood	Random	10/77	902	1,364	2	Produced & WSW

OIL AND GAS FIELDS

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
ALKALI COULEE Red River (Ord.)	1	320-acre spacing units; well location no closer than 660' from unit boundary and no closer than 1650' from well producing from the same pool. (Order 77-81).	None
ALMA Greenhorn (U.Cret.) Blackleaf & Bow Island (L.Cret.)	2	640-acre spacing units. Location to be no closer than 990' from spacing unit boundary. (Order 19-77).	None
ALMA, NORTH Blackleaf (L.Cret.)		Single spacing unit; (Order 95-82).	None
AMANDA Swift (U.Jur.) Cut Bank (L.Cret.)	1 1	320-acre spacing units for gas with one well per horizon from the base of the Swift to the surface to be located no closer than 660' from unit boundary. Spacing unit to consist of two contiguous quarter sections lying within one or two governmental sections. (Order 76-79).	None
ANDES Red River (Ord.) Mission Canyon (Miss.)	1	Statewide.	None
ANTELOPE COULEE Blackleaf (L.Cret.)	3	Statewide.	None
ANTELOPE, NORTH Red River (Ord.)	1	Statewide.	None
ANVIL Red River (Ord.) Nisku (Dev.) Ratcliffe (Miss.)	8 1 1	Statewide.	Produced water disposed into the Dakota formation (Order 12-A-82)
ANVIL, NORTH Ratcliffe (Miss.) Red River	1	Statewide.	None
ARCH APEX Bow Island (L.Cret.) Gas Swift (U.Jur.) (Shut-in) Sunburst (L.Cret.) Oil & Gas	21 2 7	330' from legal subdivision; 2400' from any other drilling or producible gas well producing from the same reservoir; 75' topographic tolerance. (Order 4-60) Sometimes called Colorado Blackleaf pool. (Swift) Statewide.	None
ASH CREEK Shannon (U.Cret.) (Shut-in)	3 1	Spacing waived within unitized portion of field except no well may be drilled closer than 660' from unit boundary. (Order 4-65).	Waterflood started October, 1964 (Orders 22-64,15-66)
AUTUMN Mission Canyon (Miss.)	1	Statewide.	Produced water disposed into Dakota formation (Order 112-A-82)
BADLANDS Eagle (U.Cret.) Gas (Shut-in)	10 2	Drilling and spacing units allow one well per governmental section to be located anywhere within a section but no closer than 990' to a section line. (Order 22-78).	None
BAINVILLE Red River (Ord.) (Shut-in)	1	Statewide.	None
BAINVILLE II Red River	1	320-acre spacing units; no well closer than 660 feet to the unit boundaries. (Order 36-82).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
BAINVILLE, NORTH			
Winnepegosis (Dev.)	2	320-acre spacing units to consist of two governmental quarter sections located in either one or two governmental sections. Wells to be located no closer than 660' to unit boundary and no closer than 1650' to any well producing from the same formation. (Order 84-79). Board Order 84-79 is amended to permit a tolerance of 150' from the well location requirements of said order for topographic purposes. (Order 39-80).	None
Red River (Ord.)	7		
BAINVILLE, WEST			
Madison (Miss.)	1	320-acre spacing units to consist of two governmental quarter sections that may be in either one or two governmental sections. Location to be no closer than 660' to the unit boundary or closer than 1650' to another producing well within the field. (Orders 19-78, 42-79). 320-acre spacing units aligned in east-west direction with permitted well to be no closer than 660' to unit boundary (Order 57-80).	None
Red River (Ord.)	2		
BANNATYNE			
Swift (U.Jur.)	17	Center of 10-acre tracts, 50' topographic tolerance. Commingling permitted. (Order 20-58).	Pilot waterflood of Swift suspended in 1963.
Sun River (U.Miss.) (Shut-in)	3		
BATTLE CREEK			
Eagle (U.Cret.) Gas	27	Statewide.	None
BEARS DEN			
Swift (U.Jur.) Oil	9	Statewide.	None
BELFRY			
Tensleep (Penn.)	1	Statewide.	None
BELL CREEK			
Muddy (L.Cret.) Oil & Gas	175	Originally 40-acre spacing units with location 660' from unit boundary with 150' tolerance for topographic reasons only. (Orders 37-67, 39-67, 50-67, 1-69, 17-70). Field now unitized. Tertiary program, (Order 25-80).	Six areas unitized (Unit "A", "B", Ranch Creek, "C", "D", and "E".) Floods used Madison water. (Orders 7-70, 23-70, 8-71, 26-71, 35-71, 36-71.)
Gas (Shut-in)	1		
Oil (Shut-in)	136		
BELL CREEK SOUTHEAST			
Muddy (L. Cret.) Gas	2	160-acre spacing units, wells 660' from spacing unit boundary. (Order 31-71).	None
(Shut-in)(TA)	1		
BENRUD			
Nisku (Dev.)	2	160-acre spacing units with permitted location within a 1320' square in center of quarter section. (Order 6-65).	Water disposal into Judith River formation. (Order 64-62.)
BENRUD, EAST			
Nisku (Dev.)	3	Same as Benrud Field. (Order 6-65).	Water disposal into Judith River formation. (Orders 64-62, 32-66, 4-A-73.)
BENRUD, NORTHEAST			
Nisku (Dev.)	1	Same as Benrud Field. (Order 6-65).	Water disposal into Judith River formation. (Order 32-66.)
BERTHELOTE			
Sunburst (L.Cret.)	1	Wells located 330' from lease lines; 660' between wells with no more than one well per governmental quarter-quarter section. (Order 18-66).	None
BIG COULEE			
3rd Cat Creek (L.Cret.) Gas	8	Statewide.	None
(Shut-in)	1		
Morrison (U. Jur.) Gas	1		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
BIG GULLY L. Tyler (Penn.)	3	Statewide.	None
BIG GULLY, NORTH L. Tyler (Penn.)	1	Statewide.	None
BIG MUDDY CREEK Interlake (Sil.) (Shut-in)	1	One well per 320-acre spacing unit with well no closer than 660 feet from boundary of four east-west units. (Order 4-75).	None
Red River (Ord.)	3		
Madison	2		
BIG ROCK Blackleaf (L. Cret.) Gas	41	640-acre spacing units for Blackleaf "A" formation. Location to be no closer than 990' to any governmental section line. (Order 31-78).	None
BIG WALL Amsden (Penn.)	2	Spaced by old statewide spacing; 330' from lease or property line, 990' between wells in same reservoir. (Order 12-54).	Previous disposal into Tyler "A" stopped in 1961. Waterflood of Tyler "B" sand started August, 1966. (Order 22-66.) Excess produced water disposed into the Tyler "B" formation. (Order 13-A-77.)
Tyler (Penn.)	9		
(Shut-in)	7		
BILLS COULEE Sunburst (L. Cret.)	1	Field without restrictions except that no well may be drilled closer than 330' from the exterior boundary of the field. (Order 22-80).	None
Madison (Miss.) Gas (Shut-in)	2		
BLACK BUTTE Eagle (U. Cret.) Gas	2	320-acre spacing units consisting of either the N/2 and S/2 or E/2 and W/2 of the section with well location to be no closer than 990' from a section line nor closer than 660' to the interior boundary. (Order. 134-80).	None
BLACK COULEE Eagle (U. Cret.) Gas	5	320-acre spacing units; well to be located no closer than 990' from unit boundary. (Order 6-73). Well location to be no closer than 660' to eastern boundary of Black Coulee Field. (Order 37-79). Field extension. (Order 71-79).	None
BLACK DIAMOND Red River (Ord.)	2	320-acre spacing units; well location no closer than 660' from unit boundary. (Order 147-81).	None
BLACKFOOT Cut Bank (L. Cret.)	6	One well only per 40-acre spacing unit; 300' tolerance from center of spacing unit. Dual completion in Cut Bank and Madison with administrative approval. (Order 3-57).	Waterflood started November, 1976. (Order 34-76.)
Madison (Miss.) (Shut-in)	1		
Sunburst (L. Cret.)	1		
BLACKFOOT GAS FIELD Bow Island (Cret.)	0	Single spacing unit. (Order 51-82).	None
BLACKFOOT-SHALLOW GAS Dakota (L. Cret.)	9	640-acre spacing units; one well per section per producing horizon above the Kootenai with location to be no closer than 990' to unit boundaries. (Order 121-80).	None
BLACKLEAF CANYON Sun River (Miss.) Gas	1	Single spacing unit with Blackleaf Federal 1-A as designated well. (Order 84-81).	None
BLACKLEAF UNIT Sun River (Miss.)	3	Well spacing requirements set forth in 82-11-201 MCA and Board Rule 36.22.702 are suspended provided no well drilled to be closer than 990' from unit boundary. (Order 47-81).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
BLACKJACK			
Sunburst (L. Cret.) Gas	14	One gas well per 160 acres, no closer than 660' from boundary of each unit. (Order 3-69). Statewide spacing. Order 3-69 amended to	None
Swift (U. Jur.) Gas & Oil (Shut-in)	2	include Blackleaf in spacing and field rules for gas. (Order 4-74). Blackleaf gas pooled. (Order 3-75).	
Blackleaf (U. Cret.) Gas			
BLOOMFIELD			
Interlake and Red River (Ord.)	0	320 acre spacing units consisting of two contiguous governmental quarter sections which need not be in the same section; wells located no closer than 660' to spacing unit boundaries. (Order 38-83).	None
BLUE HILL			
Red River (Ord.)	2	Statewide.	None
BORDER			
Cut Bank (L. Cret.) Oil & Gas (Shut-in)	3 3	Oil: Unitized into New and Old Border fields. Unitized 6-1-73. (Orders 8-73, 9-73).	Waterflood approved. Orders 8-73, 9-73, 28-73.)
Cut Bank (L. Cret.) Gas	2	Gas: 330' from boundary of legal subdivision. 2,400' between wells in same formation on same lease. 75' topographic tolerance. (Order 7-54).	
BOULDER			
Red River (Ord.)	1	Statewide spacing. (Order 16-71).	None
BOWDOIN & AREA			
Bowdoin & Phillips sands in Colorado Shale (U. Cret.) Gas (Shut-in)	507 75	One well per quarter section not less than 1000' from lease boundary or less than 2000' from any gas well in same horizon. (Order 29-55). Unitized 1958. Delineated: (Order 3-72). One additional well in each 640-acre spacing unit no closer than 990' to spacing unit boundary in Whitewater and Ashfield Units. (Order 41-82).	Produced water injected into Phillips Sand-Ashfield unit. (Order 10-A-77.)
BOWES			
Eagle (U. Cret.) Gas (Shut-in)	33 7	660' from boundary of legal subdivision, 1320' from other wells in same formation. 75' topographic tolerance. (Order 23-54). Order 23-54 amended by establishing 160-acre Eagle spacing units in Sec. 5, 6, 7, 8, 17, 18 31N-19E. (Order 44-75).	Pilot waterflood initiated in 1961 and expanded to fieldwide waterflood in 1965. (Order 6-61.) Water from Madison.
Sawtooth (M. Jur.) Oil (Shut-in)	50 24	330' from lease or property line, 990' between wells in the same formation. (Order 13-54).	
BOX CANYON			
Red River (Ord.)	2	Statewide.	None
BOX ELDER			
Nisku (Dev.)	1	Statewide.	None
BRADLEY			
Cut Bank (L. Cret.) Gas (Shut-in)	1 1	Statewide.	None
Madison (Miss.)	1		
Sunburst (L. Cret.) (Shut-in)	1 1		
BRADY			
Sunburst (L. Cret.) (Shut-in)	16 1	10-acre spacing units with 75' topographic tolerance from center of spacing unit. (Orders 34-62, 55-62). Field enlargement. Operators may commingle production from Burwash and Sunburst formations in Section 16. (Order 86-81).	None
BREDETTE			
Charles	1	Statewide.	None
BREED CREEK			
Tyler (Penn.) (Shut-in)	4 2	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
BRORSON			
Madison Canyon (Miss.) Oil & Gas	7	One well per 160-acre unit, no closer than 660' from unit boundary (Mission Canyon and Red River). (Order 5-69). Field enlargement. (Order 25-82). Gas to Brorson Field Plant.	Produced water injected into Dakota formation. (Order 129-A-81.)
Red River (Ord.) Oil & Gas	4		
(Shut-in)	1		
BRORSON, SOUTH			
Red River (Ord.) Oil & Gas	3	One well per 160-acre unit, no closer than 660' from unit boundary. (Order. 26-68). Gas to Brorson Field Plant. Reduced Field Area. (Order 26-77).	None
(Shut-in)	1		
Madison	2		
BROWN'S COULEE			
Judith River (U. Cret.) Gas	1	One well per 160-acre unit with well location no closer than 660' from unit boundary. Commingling permitted with administrative approval. (Order 7-74).	None
Eagle (U. Cret.) Gas			
BROWNS'S COULEE, EAST			
Eagle (U. Cret.) Gas	3	Statewide.	None
(Shut-in)	4		
BRUSH LAKE			
Red River (Ord.) Oil & Gas	5	320-acre spacing with initial nine spacing units described in (Order 15-71 corrected.)	None
BUFFALO FLAT			
Bow Island (L. Cret.) Gas	5	Statewide.	None
BULLWACKER			
Judith River (U. Cret.) Gas	4	One well per 320-acre spacing unit with well location no closer than 660' from unit boundary and 990' from field boundary. (Order 26-74).	None
(Shut-in)	2		
Eagle-Virgelle (U. Cret.) Gas	30		
(Shut-in)	9		
BURGET			
Red River (Ord.)	1	320-acre spacing units; well location to be no closer than 660' to unit boundary and 1650' from existing well. 150' tolerance for topographic reasons. (Order 25-81).	None
BURGET, EAST			
Madison (Miss.)	3	Statewide.	None
Red River (Ord.)	2		
(Shut-in)	1		
BURNS CREEK			
Red River (Ord.)	2	Statewide.	None
BURNS CREEK, SOUTH			
Red River	1	320-acre spacing units; well location to be no closer than 660' from unit boundary. (Order 2-82).	None
BUTCHER CREEK			
Greybull (L. Cret.)		Statewide.	None
CABIN CREEK			
Unit #1 Interlake & Red River (Siluro-Ord.)	78	Spacing waived and General Rules for (Deviation), (Commingling), and (Dual Completion) are suspended until present Unit Agreement becomes inoperative. (Order 36-62). Many wells produce from both Interlake and Red River by dual completions. Gas through extraction plant.	Waterflood of Siluro-Ordovician (Orders 5-59,15-60 &30-63). Produced water injected into the Mission Canyon (Order60-62).
(Shut-in)	25		
Unit #2 Madison (Miss.)	9		
CAMP CREEK			
Claggett (U. Cret.) Gas	1	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
CANADIAN COULEE			
Sawtooth (M. Jur.) Gas	1	320-acre spacing units with well location no closer than 660' from unit boundary, and 990' from field exterior boundaries. (Order 18-76).	None
(Shut-in)	2		
CANADIAN COULEE, NORTH			
Sawtooth (M. Jur.) Gas	2	640-acre spacing units. Location to be no closer than 1650' to section line. (Order 15-74).	None
(Shut-in)	2		
CANAL			
Red River (Ord.)	1	320-acre spacing units consisting of east half and west half of governmental section. (Order 34-70).	None
Madison (Miss.)	4		
CANNON BALL			
Red River (Ord.)	1	Statewide.	None
CARLYLE			
Red River (Ord.)	2	320-acre spacing units; to consist of either the N/2 and S/2 or E/2 and W/2 of section or lots corresponding thereto. Well location to be no closer than 660' to unit boundary nor closer than 1650' to any well drilling or producing from the same pool. (Order 39-79).	Produced water disposed into Dakota formation. (Order 126-A-81.)
CAT CREEK,			
Kootenai (L. Cret.) (3 Sands)	42	220' from lease or property line, 440' from every other well in same formation. (Order 17-55). Three separate producing areas, East, Mosby and West Domes. Field enlargement upper and lower Brindley wells in S1 T15N R28E are to be no closer than 350' from other Morrison wells in said section. (Order 101-82).	Three Kootenai, two Ellis, and one Amsden waterflood in progress. Orders 17-56, 18-59, 13-62, 8-68, 38-70, 11-71.) Water from Third Cat Creek sand. Waterflood modified. (Order 29-74.)
(3 Sands) (Shut-in)	40		
Morrison (U. Jur.)	2		
Ellis (U. Jur.)	20		
(Shut-in)	2		
Amsden (Penn.)	2	Statewide.	
Swift (U. Cret.)	11		
CEDAR CREEK			
Judith River (U. Cret.)		1200' from legal subdivision line, 2400' from every other well in same formation. (Order 33-54). 320-acre spacing units, wells in center of NW 1/4 and SE 1/4 of each section with 200' topographic tolerance. (Order 1-61). Field extension. (Order 23-76).	None
Eagle (U. Cret.) Gas	114		
(Shut-in)	15		
CHAIN LAKES			
Eagle (U. Cret.)	3	Statewide.	None
(Shut-in)	2		
CHARLIE CREEK			
Nisku (Dev.)	1	320-acre spacing units, either east-west or north-south at option of operator, located no closer than 660' from spacing unit boundary and no closer than 1650' from another producing well. Spacing units may not cross section lines. (Order 66-76).	None
Duperow (Dev.)	1		
CHARLIE CREEK, EAST			
Red River (Ord.)	3	Statewide.	None
CHARLIE CREEK, NORTH			
Red River (Ord.)		Single spacing unit. (Order 37-82).	None
Nisku (Dev.)	2		
CHESTER AREA			
Bow Island (L. Cret.)	1	Statewide.	None
CHINOOK, EAST			
Eagle (U. Cret.)	3	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
CHIP CREEK Eagle-Virgelle (U. Cret.)	3	160-acre spacing units. Location no closer than 660' from spacing unit boundary. (Order 89-76).	None
CLARK'S FORK Frontier (U. Cret.)	1	330' from quarter-quarter section line. 1320' between wells with 75' topographic tolerance. (Order 17-54).	None
CLARK'S FORK, NORTH Lakota (L. Cret.) Gas & Oil (Shut-in)	2 1	160-acre quarter section spacing with location no closer than 660' from spacing unit boundary. (Order 23-75).	None
CLARK'S FORK, SOUTH Greybull (L. Cret.) Oil & Gas	3	160-acre spacing; location no closer than 330' from quarter section line or 1320' from any other well.	None
CLEAR LAKE Red River (Ord.) Madison Nisku	6 4 2	Statewide.	Produced water disposed into Dakota, Muddy, Lakota, & Swift formation. (Orders: 41-A-80, 60-A-80, 91-A-80, 116-A-81, 123-A-81).
COAL COULEE Eagle (U.Cret.) Gas	2	One well per governmental section, to be located no closer than 990' from section line and only one well permitted per formation. (Order 25-78). Amendment to (Order 25-78) provides 320-acre spacing units within certain sections to be designated by the operator. Well to be located no closer than 990' to unit boundary. (Order 36-79).	None
COAL CREEK Eagle (U.Cret.) Gas	2	Statewide.	None
COAL RIDGE Mission Canyon (Miss.)(Shut-in)	1	Statewide.	Produced water injected into the Dakota formation (Order 81-A-79.)
COLORED CANYON Red River (Ord.)	6	Statewide.	None
COMERTOWN Red River (Ord.)	7	320-acre spacing units; permitted well to be no closer than 660' to unit boundary. (Order 35-80). Field enlargement. (Orders 9-81 and 150-81).	Produced water injected into the Dakota formation (Order 107-A-82)
CONRAD BUTTE (Renamed Ledger)		(See Ledger Field)	
CONRAD SOUTH Dakota (L. Cret.)	2	10-acre spacing units. Wells in center of each unit with 75' topographic tolerance. (Orders 34-62, 31-63).	None
COW CREEK Charles (Miss.)	1	80-acre spacing units, direction at option of operator but wells to be in SW 1/4 and NE 1/4 of each quarter section. (Order 11-69).	None
COW CREEK, EAST Kibbey (Miss.) (Shut-in)	10 1	40-acre spacing units consisting of quarter-quarter section with permitted well to be at center with 150' topographic tolerance. (Order 35-74).	Produced water disposed into Dakota formation. (Order 30-A-75 and 61-A-76.)
CRANE Red River (Ord.) Duperow (Dev.)	1 4	320-acre spacing units consisting of one half of a governmental section with well location to be no closer than 660' from unit boundary and no closer than 1650' to any well drilling or producing from the same pool. (Order 40-79).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
CROCKER SPRINGS, EAST Madison (Miss.)	1	80-acre spacing units to be either the N/2 or S/2 of a regular quarter section. Well to be located in the center of either the NE quarter quarter or the SW quarter quarter section with a 150' topographic tolerance. (Order 68-82).	None
CULBERTSON Red River (Ord.)	1	Statewide in part. Unitized as to SE 1/4 of Section 32, SW 1/4 of Section 33, N 1/2 NW 1/4 of Section 4, and N 1/2 NE 1/4 of Section 5. (Order 29-70).	Produced water disposed into Red River formation (Order 13-A-72.)
CUPTON Red River (Ord.) (Shut-in)	8 2	160-acre quarter section spacing units. Location no closer than 660' from spacing unit boundary. (Order 4-72).	Produced water disposed into Red River formation. (Order 1-A-80.)
CUT BANK Kootenai (L. Cret.) Oil & Gas (Shut-in) Madison (Miss.) Oil (Shut-in) (Gas only) (Shut-in) Cut Bank (L. Cret.) Gas (Shut-in) Sunburst (L. Cret.) Gas (Shut-in) Moulton (L. Cret.) Gas (Shut-in) Bow Island (L. Cret.) Gas	613 211 38 8 48 182 29 3 2 4 2 3	(Kootenai formation includes Moulton, Sunburst, and Cut Bank sands). Oil: 330' from legal subdivision line, 650' between wells in same formation 5-spot on 40-acre tract permitted. 75' topographic tolerance. (Order 10-54). Gas: 330' from legal subdivision, 2400' between wells in same formation. 75' topographic tolerance. (Order 10-54). Sections 20, 29, and 32 of Township 36 North, Range 4 West spaced 320-acres (N 1/2 and S 1/2). (order 26-70). 320-acre spacing units for gas; (Cut Bank) units; (E 1/2 & W 1/2) wells to be located no closer than 330' from legal subdivision line nor less than 2400' from drilling or producible well producing from same reservoir. (Orders 82-76, 6-77). Field extension (Order 3-79). Board Orders No 10-54, 26-70, 6-77, 82-76 and 3-79 amended to include all formations from surface to base of Madison Lime Formation. (Order 45-80).	There are 18 waterfloods in progress. Water from Eagle and Madison, or produced. Produced water disposed into Madison formation. (Orders: 51-65, 52-65, 22-A-74, 55-A-77, 60-A-80, 91-A-80, 123-A-81)
DAGMAR Red River (Ord.)	4	Statewide.	None
DAGMAR, NORTH Red River (Ord.)	1	320-acre spacing units; well location no closer than 660' from unit boundary. (Order 6-81).	Produced water injected into Dakota formation. (Order 124-A-81.)
DARLING (included as part of Cut Bank Field)			
DEADMAN'S COULEE Nisku (Dev.)	4	Statewide.	Produced water injected into Judith River formation. (Order 132-A-81.)
DEAN DOME Greybull (L. Cret.) Gas (Shut-in) Oil	 1 4	Statewide. Oil ring below gas cap.	None
DEER CREEK Interlake (Sil.)	1	80-acre spacing units consisting of any two adjacent quarter-quarter sections. Well location in NE 1/4 and SW 1/4 of each quarter section with 75' topographic tolerance. (Orders 23-55 & 14-59). Commingling of production permitted upon approval of Board Petroleum Engineer. (Order 18-63).	Excess produced water is disposed into Dakota and Lakota formations. (Orders 6-56 & 3-58.)
DELPHIA Amsden (Penn.)	2	Statewide.	None
DEVIL'S BASIN (Heath (U. Miss.) (Shut-in)	4 9	10-acre spacing units; well location to be in the center of each spacing unit with a 75' tolerance permitted for topographic or geologic reasons. (Order 114-80).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
DEVON			
Blackleaf (U. Cret.) Gas (Shut-in)	21	Statewide.	None
Kootenai (L. Cret.) Oil Depleted		Statewide.	
DEVON, SOUTH			
Bow Island (L. Cret.) Gas (Shut-in)	1 10	Drilled on statewide spacing. Unitized for primary production. (Order 28-71, corrected).	None
DIAMOND POINT			
Red River (Ord.)	2	320-acre spacing unit; allowing two wells to produce from the Red River or from commercial production at any depth shallower. (Order 20-80).	None
DIVIDE			
Madison (Miss.)	13	Statewide.	Produced water disposed into Dakota formation (Order 42-A-80, 130-A-81.)
DRY CREEK			
Eagle (U. Cret.) Gas	1	Statewide.	None
Judith River (U. Cret.) (Shut-in)	2	Field redelineated. (Order 8-70).	
Frontier (U. Cret.) Gas (Shut-in)	9 2	Six additional gas storage wells, west end of structure.	
Oil	1		
Greybull (L. Cret.) Gas	2		
Greybull (L. Cret.) Oil (Shut-in)	3 1		
Virgelle Oil	1		
DRY CREEK MIDDLE			
Frontier (U. Cret.) Gas	6	320-acre spacing units consisting of two adjacent governmental quarter sections lying north-south or east-west at operator's option	None
Lakota (L. Cret.) Gas (Shut-in)	1	with permitted well no closer than 660' from spacing boundary. (Order 25-75).	
DRY CREEK, WEST			
Greybull (L.Cret.) Oil & Gas (Gas)	1	160-acre spacing units; well location anywhere in spacing unit but no closer than 660' from unit boundary. (Order 43-78). Order 43-78	None
(Shut-in)	1	amended to include Frontier formation. (Order 65-82). Field	
Virgelle (U. Cret.)	1	enlargement. (Order 86-82).	
DUGOUT CREEK			
Red River (Ord.)	1	320-acre spacing units. Well to be no closer than 660' from unit boundary. (Order 22-82).	None
DUNKIRK			
Sunburst (L. Cret.)	22	Only one well may produce from each producing zone, formation, or horizon, but no closer than 990' from section lines. (Order 58-81). Field enlargements. (Orders 104-81 and 66-82).	None
DUNKIRK, NORTH			
Bow Island (L. Cret.) Gas (Shut-in)	12 5	One well per governmental section per zone or horizon. Each producing well to be located anywhere within section but no closer than 990' from section line. (Order 25-77). Field enlargements. (Orders 64-78 and 157-81).	None
DWYER			
Madison (Miss.)	11	160-acre spacing units; well location in center of SE 1/4 of spacing units with 175' topographic tolerance. (Orders 25-60, 29-61).	Produced water disposed into Dakota formation. (Order 26-63.)
(Shut-in)	1		Waterflood. (Order 20-68.)
Red River (Ord.)	1		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
EAGLE			
Madison (Miss.)	17	Statewide.	None
Devonian	2		
Red River	1		
EAGLE SPRINGS			
Bow Island (L. Cret.) Gas	6	One well per governmental section per zone, located anywhere but	None
(Shut-in)	3	no closer than 990' from section line for all gas zones above the top of the Kootenai. (Order 4-78) Commingling of Swift and Sunburst permissible. (Order 19-79).	
EAST GLACIER			
Greenhorn (U. Cret.)	1	Statewide. 160-acre spacing units. (Order 41-81). Amended to enlarge field and designate 80-acre spacing units with permitted well to be located no closer than 330' to the exterior boundaries. (Order 112-81).	None
ELK BASIN (Mont. Portion)			
Frontier (U. Cret.)	13	Statewide spacing is waived within unit area. (Order 10-61). Gas to	Frontier: Water injection (Order 1-72.) Embar - Tensleep pressure maintenance by crestal gas injection. Waterflood approved in 1966. (Order 5-66.) Madison: Water Injection (Order 17-61.)
(Shut-in)	7	Elk Basin gasoline plant.	
Embar-Tensleep (Perm., Penn.)	17		
(Shut-in)	11		
Madison (Miss.)	26		
(Shut-in)	1		
Big Horn (Ord.)	1		
ELK BASIN, NORTHWEST			
Frontier (U. Cret.)		Spacing waived within unitized portion except that bottom of hole be no closer than 330' from unit boundary and there be at least	Frontier: Waterflood in progress. Embar- Tensleep: Waterflood. (Order 3-67. 6-74.) Madison, produced water.
(Shut-in)	8	1320' surface distance between wells in same formation; 75' topographic tolerance. (Orders 43-63, 28-64). Gas to Elk Basin gasoline plant.	
Embar-Tensleep (Perm., Penn.)	3		
(Oil & Gas)			
Madison (Miss.)	1		
ENID, NORTH			
Bakken	2	Spaced for one well field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, R54E. (Order 45-79).	None
Red River (Ord.)	2		
EPWORTH			
Red River (Ord.)	1	Statewide.	None
ETHRIDGE			
Bow Island (L.Cret.) Gas		Statewide, except two wells. (Order 28-65).	None
(Shut-in)	3		
Swift (U.Jur.) Gas	5		
(Shut-in)	2		
ETHRIDGE, NORTH			
Swift (U.Jur.)	2	320-acre spacing units; well location to be no closer than 660' from unit boundaries. Section 2, T33N, R4W is a 640-acre spacing unit. (Order 98-81).	None
FAIRVIEW			
Winnipegosis (Dev.)		160-acre spacing units. Well location anywhere in spacing unit but no closer than 660' from unit boundary. (Orders 48-65, 1-67, 43-67, 44-67). Gas to Fairview plant.	Northwest part of field unitized for gas injection. Gas from Fairview and Brorson fields. (Order 11-70.) Salt water disposal into Dakota. (Orders 9-A-71, 24-A-71.)
Oil & Gas			
(Shut-in)	1		
Red River (Ord.) Oil & Gas	1		
(Shut-in)			
Mission Canyon (Miss.)	9		
(Shut-in)	1		
FAIRVIEW, EAST			
Red River (Ord.)	2	320-acre spacing units; designated well in the north half of Section 28 may be located no closer than 660' from the unit boundary or 1650' from any well producing from the same pool. (Order 76-81).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
FAIRVIEW, WEST Ratcliffe (Miss.)	1	Statewide.	None
FERTILE PRAIRIE Red River (Ord.)	4	80-acre spacing units consisting of north-south rectangular units. Well location in NW 1/4 and SE 1/4 of quarter section with 75' topographic tolerance. (Orders 3-56, 7-62). Board Orders 3-56 and 7-62 amended to provide well locations for each 80-acre spacing unit to be the center of the SW or NE quarter quarter section of each quarter section with 75' tolerance for surface obstructions. (Order 65-80).	None
FIDDLER CREEK Greybull (L. Cret.)	2	Statewide.	None
FISHHOOK Red River (Ord.)	4	Statewide.	None
FITZPATRICK LAKE Bow Island (U. Cret.)		One well per governmental section located no closer than 990' from section line for all gas zones above the top of the Kootenai. (Order 31-79).	None
Gas	7		
(Shut-in)	2		
Sunburst (L. Cret.) Gas	1		
FLAT COULEE Bow Island (L. Cret.)		330' from boundary of legal subdivision and 1320' from other wells in same reservoir. (Order 16-55).	Waterflood unit and redelineation approved for Swift sandstone. (Orders 13-71, 17-A-71, 22-71.)
Gas	3		
(Shut-in)	1		
Dakota (L. Cret.) Gas	2	Statewide, exception. (Order 11-66).	
Swift (Jur.) Gas	1		
Swift (Jur.) Oil	20	Statewide gas spacing. 40-acre spacing units. Well in center of spacing unit with 150' topographic tolerance. (Orders 16-62, 19-63).	
(Shut-in)	2		
Sawtooth (Jur.) Gas	1	Statewide.	
(Shut-in)	1		
Oil	1		
FLAT COULEE, EAST Sawtooth (M. Jur.) (Shut-in)	1	Statewide.	None
FLAT LAKE Madison (Miss.)	49	160-acre spacing units; well location in center of NE 1/4 of quarter section with 200' topographic tolerance. Wells no closer than 961' to North Dakota state line and no closer than 1600' to Canadian line. (Orders 10-65, amended; 43-65, 23-66, 33-66).	Excess salt water disposed into Muddy, Dakota, or Lakota formations (Orders 39-64, 39-66, 125-A-81.) and into Ratcliffe formation (Order 122-A-81.) Unit operation for eastern part of field. (Order 7-71.) Unit operation for western part of field. (Order 32-74.)
(Shut-in)	11		
Nisku (Dev.)	1		
FLAT LAKE, SOUTH Ratcliffe (Miss.)	9	160-acre spacing units established by (Order 2-67) then modified to provide that the permitted well may be located anywhere within the unit but no closer than 660' to any unit boundary. (Order 49-80).	Excess salt water disposed into Muddy, Dakota, or Lakota. (Order 19-67.)
(Shut-in)	1		
FLAXVILLE Madison (Miss.)	3	160-acre spacing units; permitted well to be no closer than 660' from the exterior boundaries of the unit. (Order 105-82). Order 105-82 amended to provide 150' tolerance for topographic reasons. (Order 124-82).	None
FORT CONRAD Bow Island (U. Cret.)	3	640-acre spacing units; well location to be no closer than 990' from the section line. (Order 19-81). Field enlargement. (Order 118-82).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
FORT CONRAD AREA			
Bow Island (U. Cret.)	12	Statewide.	None
FORT GILBERT			
Red River (Ord.)	10	160-acre spacing units; well location no closer than 660' from unit boundary with 150' topographic tolerance. (Order 94-81).	Excess produced associated gas reinjected into Duperow formation. (Order 78-81.)
Red River (Ord.) & Mission Canyon (Miss.)	7		
(Shut-in)	1		
FOUR MILE CREEK			
Red River (Ord.)	1	320-acre spacing units. (Order 43-75).	None
FOUR MILE CREEK, WEST			
Red River (Ord.)	2	Statewide.	None
FOX CREEK			
Siluro (Ord.)	2	Statewide.	None
(Shut-in)	2		
FOX CREEK, NORTH			
Mission Canyon (Miss.) Oil & Gas	2	Statewide.	None
(Shut-in)	1		
FRANNIE (Mont. Portion)			
Tensleep (Penn.)	1	10-acre spacing units; well location in center of each unit with 100' topographic tolerance. (Order 35-63).	Unitized for waterflood of Phosphoria-Tensleep formations using produced fluids. (Order 21-70.)
FRED & GEORGE CREEK			
Sunburst (L. Cret.) Oil & Gas	37	Sunburst Oil: 40-acre spacing units; well location in center of unit with 250' topographic tolerance. (Orders 29-63, 1-65, amended by Order 48-77).	Sunburst waterflood initiated July, 1970, using water from Madison, (Order 13-70) and Eagle.(Order 27-71.) (Order 40-80.)
(Shut-in)	11	Sunburst Gas: same as Arch Apex (Order 4-60).	
Swift (U. Jur.) Oil & Gas	3	Statewide.	
Madison (Miss.) (Shut-in)	1	Statewide.	
FROG COULEE			
Red River (Ord.)	1	320-acre spacing units; wells to be located no closer than 660' from the unit boundary. (Order 55-79).	None
FRESNO & AREA			
Eagle-Virgelle (U. Cret.) Gas	7	640-acre spacing units, wells located no closer than 990' from unit boundary. One well may be drilled within each spacing unit for each producing horizon within the spacing unit. (Order 14-76). Field enlargement and modification of field rules within certain areas. (Order 52-80).	None
FROID, SOUTH			
Red River (Ord.)	2	Statewide.	None
GAGE			
Amsden (Penn.)	3	40-acre spacing units; well location to be in center of each unit with a permitted tolerance of 150' for topographical or geological reasons. (Order 120-80). Field enlargement. (Order 44-81).	None
(Shut-in)	2		
GAS CITY			
Siluro (Ord.)	7	80-acre spacing units consisting of E 1/2 and W 1/2 of quarter sections; well location in NW 1/4 and SE 1/4 of quarter section; 150' topographic tolerance. Spacing waived and statewide rules for (Deviation), (Commingling) and (Dual Completion) are waived in unitized portion of field. (Order 29-62).	Excess produced water disposed into Judith River formation. (Orders 32-61, 20-64.) Waterflood using produced water and Madison water. (Order 16-69.) Produced water disposed into Charles "B" formation. (Order 90-A-79.)
(Shut-in)	10		
Madison	2		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
GILFORD, NORTH			
Sawtooth (Jur.) Gas	1	320-acre specified spacing units. One well per unit 660' from boundary, 2640' between wells. (Order 9-58). Boundary reduction. (Order 38-76). Field enlargement. (Order 9-79).	None
GIRARD			
Red River (Ord.) (Shut-in)	1	Statewide.	None
GLENDIVE			
Red River (Ord.) Oil & Gas	7	80-acre spacing units consisting of any two adjacent quarter-quarter sections; wells located in center of NE 1/4 and SW 1/4 of each quarter section with 75' topographic tolerance. (Orders 27-55, 19-62, 58-62, 20-66).	Excess produced water disposed into Swift, Dakota and Judith River formations. (Orders 16-56, 16-63, 40-A-70, 7-A-72., 8-A-82
GLENDIVE, SOUTH			
Red River (Ord.)	1	Statewide.	None
GOLD BUTTE			
Bow Island (L. Cret.) Gas	1	640-acre spacing, well location any quarter-quarter section cornering on center of section. (Order 26-59). Amended field boundary. (Order 43-77).	None
GOLDEN DOME			
Eagle (U. Cret.) Gas	1	160-acre spacing; 660' from spacing unit boundary. (Order 15-72).	None
(Shut-in)	1	Single spacing unit for Greybull formation. (Order 17-82). Field	
Frontier (U.Cret.)	1	enlargement and inclusion of Frontier and Greybull formations.	
Greybull (L. Cret.) Oil	1	(Order 135-82).	
GOOSE LAKE			
Ratcliffe (Miss.) Oil & Gas	34	Unitized. (Order 17-72). Reduced field area; (Order 29-77). Unit pro-	Excess produced water disposed into Mission Canyon and Dakota formations. (Orders 12-64, 14-66, 12-68.) Produced water disposed into Ratcliffe formation (Order 138-A-80.) Produced water disposed into Dakota formation. (Order 117-A-81.)
(Shut-in)	1	duction curtailment. (Order 45-77).	
Red River (Ord.)	1		
GOOSE LAKE, EAST			
Red River (Ord.)	1	320-acre spacing units. Well location no closer than 660' from unit boundary. (Order 20-81).	None
GOOSE LAKE, WEST			
Red River (Ord.)	3	Statewide.	None
GOSSETT			
Mission Canyon (Miss.)	2	Statewide.	None
GRABEN COULEE			
Swift, Cut Bank, Madison	75	40-acre spacing units; well location no closer than 330' from legal subdivision. (Cut Bank and Madison) Oil: 330' from boundary of legal subdivision and 650' from any other well in same reservoir and on same lease. 75' topographic tolerance. (Order 73-62).	Excess produced water disposed into Cut Bank formation. (Order 45-A-75.)
(Shut-in)	8		
GRANDVIEW			
Bow Island-Sunburst (L. Cret.) Gas	7	320-acre spacing units aligned in a north-south direction; well location no closer than 660' to a spacing unit boundary. (Order 49-67).	None
(2 zones) (Shut-in)	2	Dual completion with Bow Island.	
Madison (Miss.) Gas	3		
Swift	2		
(Shut-in)	1		
GRANDVIEW, EAST			
Swift (Jur.)	2	Statewide.	None
(Shut-in)	1		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
GREEN COULEE			
Red River (Ord.)	2	160-acre spacing units for Ratcliffe formation. Well location to be no closer than 660' to unit boundaries with 150' tolerance allowed for topographic or geologic reasons. 320-acre spacing units for the Red River formation with well location to be no closer than 660' to the unit boundary nor closer than 1650' from any well producing from the Red River. (Order 56-81).	None
Ratcliffe (Miss.)	0		
GREEN COULEE, EAST			
Red River (Ord.)	2	Single spacing unit. (Order 99-82).	None
GUMBO RIDGE			
Tyler (L.Penn.)	4	Statewide.	3rd Cat Creek water for waterflood (Order 54-79.)
GUNSIGHT			
Madison (Miss.)	4	Statewide.	None
GYPSY BASIN			
Sawtooth, Sunburst, Swift, Madison	16	330' from lease lines and 660' between wells in same formation. Only two wells per quarter-quarter section. (Order 7-66). Same as Sunburst. (Sawtooth-Madison) Oil: 40-acre spacing units; wells no closer than 330' from lease line. (Order 7-66). (Sawtooth-Madison) Gas: 160-acre spacing units; well locations in center of any quarter-quarter section in each 160-acre unit, 2340' between gas wells. 150' topographic tolerance. (Order 13-59).	Injection of excessive gas produced with oil into Sunburst gas cap. (Order 6-64.)
(Shut-in)	8		
Sawtooth, Madison, Sunburst (Gas)	4		
HAMMOND (Gas)			
Muddy (L. Cret.)	9	320-acre spacing units; each unit shall consist of a regular half of a governmental section with well location to be no closer than 660' to a unit boundary nor closer than 990' to the exterior boundaries of the field. (Order 97-80).	None
(Shut-in)	2		
HARDIN			
Frontier (U. Cret.) Gas	27	Statewide.	Water disposal into Red River. (Order 20-A-70.)
(Shut-in)	22		
HARDPAN			
Bow Island (L. Cret.)		Spacing one well per section. Well location no closer than 990' from the section boundary. (Order 145-81). Field enlargement. (Order 131-82).	None
(Shut-in)	1		
Swift (Jur.)	1		
Gas	15		
HARDPAN AREA			
Bow Island (L. Cret.)	7	Statewide.	None
HARDSCRABBLE CREEK			
Red River (Ord.)	2	Statewide.	None
HAWK CREEK			
Amsden (Penn.)	1	Statewide.	None
HAWK HAVEN			
Mission Canyon (Miss.)	1	Single 320-acre spacing unit. (Order 91-81).	None
HAVRE			
Eagle (U. Cret.)	3	Single spacing unit for production of gas. (Order 48-82).	None
HAY CREEK			
Mission Canyon (Miss.)	2	Statewide. 320-acre spacing, any two adjacent quarter sections, direction to be determined by operator. Location no closer than 660' from unit boundary. (Orders 15-69, 27-73). Gas to Brorson plant.	Produced water disposed into Dakota formation. (Order 90-A-80, 129-A-81.)
(Shut-in)	1		
Red River (Ord.)	1		
(Shut-in)	1		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
HAYSTACK BUTTE			
Eagle-Virgelle (U. Cret.)	4	640-acre spacing units; one well per each producing horizon above	None
Bow Island (L. Cret.) (Shut-in)	1	Kootenai. Location no closer than 990' from spacing unit boundary.	
Kootenai (L. Cret.)		(Order 85-76). Amended field boundary. (Order 37-77).	
HIAWATHA			
Tyler (L. Penn.)	3	Statewide.	None
(2 sands)			
(Shut-in)	1		
HIBBARD			
Amsden (Penn.)	1	Statewide.	Produced water disposed into the Amsden formation (Order 9-A-82.)
HIGH FIVE			
Tyler (Penn.)	14	Statewide.	Water disposed into Dakota and Stensvad formations (Orders 33-A-77, 70-A-78.) Unitized & Polymer-Waterflood authorized. (Order 110-80.)
HIGHVIEW			
Madison (Miss.) Oil & Gas	5	160-acre spacing units, located no closer than 660' from spacing	None
(Shut-in)	1	unit boundary. 150' topographic tolerance. (Order 84-76). Orders 32-76, 84-76 and 63-82 are amended to provide as follows: 1. Permitted wells to the Moulton, Sunburst, Morrison and Swift formations shall be no closer than 330' from the lease line nor closer than 660' to a permitted well in the same formation with only two such wells per quarter quarter section with a 150' topographic tolerance. 2. Madison: (Gas) 160-acre spacing units with well location to be no closer than 660' from quarter section lines. 3. Madison: (Oil) 40-acre spacing units with permitted location to be no closer than 330' from the lease line with a 150' topographic tolerance. 4. Sawtooth (Oil and Gas), 40-acre spacing units with permitted location to be no closer than 330' from the lease line with a 150' topographic tolerance. (Order 136-82).	
HONKER			
Red River (Ord.)	1	320-acre specified spacing units; permitted well not to be closer than 660' from the unit boundary. (Order 105-80).	None
HORSE CREEK			
Madison (Miss.)	1	Statewide.	None
(Shut-in)	1		
HOWARD COULEE			
(Tyler (L. Penn.)	1	Statewide.	Produced water injected into the Piper formation. (Order 69-A-78.)
(Shut-in)	2		
INJUN CREEK			
Tyler	2	Statewide.	None
Stensvad			
INTAKE II			
Red River (Ord.)	4	320-acre spacing units; permitted well to be located no closer than 660' from the unit boundary. (Order 99-81).	None
IVANHOE			
Amsden (L. Penn.)	8	40-acre spacing unit for production from any one common formation; well location in center of unit with 200' topographic tolerance.	Waterflood of Tyler B & C sands discontinued. Water disposal into Tyler "A". (Order 8-A-78.)
(Shut-in)	2	(Order 7-60 and 13-56).	
Morrison (U. Jur.) (Shut-in)	2		
JIM COULEE			
Tyler (L. Penn.)	18	Unitized. (Order 18-72). No well closer than 330' from unit boundary.	Waterflood project approved in Tyler Sands (Order 18-72.)
(Shut-in)	1		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
KATY LAKE, NORTH			
Red River (Ord.)	8	Statewide.	Produced water disposed into the
Mission Canyon	1		Dakota formation (Order 15-A-82.)
KEG COULEE			
Tyler (Penn.) Oil & Gas	12	40-acre spacing in southwest portion of field except that spacing is	Three waterflood units. (Orders 3-64,
(Shut-in)	8	waived in unitized portion. (Orders 3-64, 4-64, 23-64). 80-acre spac-	28-66, 10-69, 14-69.) Madison water
		ing in remainder of field with variable pattern. (Orders 11-60, 28-62).	injected.
		40-acre spacing; W 1/2 E 1/2 and W 1/2 Sec. 35-11N-30E; NW 1/4	
		Sec. 35-11N-30E; NW 1/4 Sec. 2-10N-30E. (Order 23-72).	
		Topographic tolerance varies from 100' to 250'. (Orders 11-60,	
		4-64, 23-64. Buffer zone waived. (Order 16-65). Field reduction.	
		(Order 2-76) Orders 11-60, 4-64 and 2-76 amended by Order 58-76.	
KEG COULEE, NORTH			
Tyler (Penn.)	6	40-acre spacing units; well location in center of spacing unit with	None
		150' topographic tolerance. (Order 46-64). Buffer zone waived.	
		(Order 16-65). Field area amended. (Order 59-76).	
KEITH AREA			
White Specks (U. Cret.)	15	Statewide.	None
KEITH, EAST			
2nd White Specks (U. Cret.) Gas	10	Statewide, except unitized portions spaced by Order 22-62. Pool-	None
(Shut-in)	2	ing. (Order 19-66).	
Blackleaf (L. Cret.) Gas	12		
(Shut-in)	4		
Sawtooth (Jur.) Gas	5		
(Shut-in)	2		
KELLEY			
Tyler (Penn.)	3	Statewide. 250' topographic tolerance. (Order 15-67).	Waterflood using Third Cat Creek
(Shut-in)	1		water. (Orders 8-69, 51-76.)
KEVIN-SUNBURST			
Sunburst (L. Cret.) Oil	34	Oil: 9 wells per 40-acre tract; only 3 wells on any side of tract with	There are four water floods in opera-
Bow Island-Sunburst (L. Cret.)		set back at least 220' from line. (Orders 8-54, 28-55).	tion using Madison water. (Orders
(Shut-in)	317	Gas: Well to be no closer than 330' from the boundaries of any legal	9-64, 17-64, 30-64, 36-65, 29-71.)
& Swift (U. Cret.) Gas	24	subdivision line, nor less than 2400' from every other drilling or pro-	Sunburst water disposed into
Madison (Miss.) Oil & Gas	943	ducible well on the same lease or unit. (Order 83-76).	Madison (Order 50-76). H ₂ S, CO ₂
			and produced water disposed into
			Madison. (Order 156-81).
KEVIN-SUNBURST, NISKU & AREA			
Nisku (Dev.)	1	640-acre spacing units; location no closer than 990' from spacing	None
		unit boundary. (Order 83-76).	
KEVIN-SOUTHWEST			
Bow Island (L. Cret.) Gas	6	320-acre one-half section spacing units lying north-south or east-	None
(Shut-in)	1	west at operator's option. Location to be no closer than 660' from	
Sunburst (L. Cret.) Gas	7	unit boundary for Sunburst-Swift formations and all formations	
Swift (U. Jur.) Gas	1	above the top of the Kootenai. (Orders 26-78, 47-78, 48-78). Field	
Bow Island-Swift	1	enlargement. (Orders 96-79, 47-80, 163-81).	
(Shut-in)	1		
Bow Island-Sunburst	2		
KICKING HORSE			
Bow Island (L. Cret.) Gas	12	320-acre spacing with location permitted no closer than 660' from	None
(Shut-in)	1	unit boundary and 990' from field boundary. (Order 17-74). Board	
Sawtooth (Jur.) Gas	1	Order 17-74 is amended to include certain additional lands into field	
Sunburst (L. Cret.)	1	and provide that 320-acre spacing units may be either the N/2 & S/2	
		or E/2 & W/2 of section. (Order 53-80).	
KINCHELOE RANCH, WEST			
Tyler (Penn.)	4	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
KINYON COULEE Bow Island (L. Cret.)	2	Statewide.	None
KINYON COULEE, SOUTH Bow Island (L. Cret.)	1	Only one well permitted. Well location no closer than 990' from section line. (Order 31-81).	None
KRUG CREEK Red River (Ord.)	1	320-acre spacing units consisting of 2 contiguous quarter sections designated by operator. Well location no closer than 660' from unit boundary or 1650' from existing well. Production may be commingled with board approval. (Order 27-81).	None
LAIRD CREEK Swift (U. Jur.) Oil & Gas	9	Statewide.	Unitized and waterflood authorized in Swift for oil production. (Order 25-74) Commenced 2-25-77.
LAKE BASIN Telegraph Creek (U. Cret.) Gas Eagle-Virgelle (U. Cret.) Gas	20	160-acre spacing units to base of Virgelle; wells no closer than 660' from unit boundary and 990' from field boundary. Commingling permitted after administrative approval. (Order 9-74). Gas from Telegraph Creek pooled. (Order 29-75).	None
LAKE BASIN, NORTH Eagle, Frontier (U. Cret.) Gas (Shut-in) Claggett (Shut-in) Eagle-Virgelle (U. Cret.) Gas (Shut-in) Judith River (U. Cret.) Gas (Shut-in)	2 1 9 1 3 1 5 1	640-acre spacing units consisting of one section. Locations 990' from section line. (Order 3-74). 130-acre spacing units located no closer than 660' from quarter section lines within restricted Sections. (Order 63-76).	None
LAMBERT Red River (Ord.)	4	Statewide.	None
LAMBERT, NORTH Red River (Ord.)	1	Statewide.	None
LANDSLIDE BUTTE Madison (Miss.)	3	Statewide.	None
LAREDO Eagle (U. Cret.) (Shut-in) Judith River (U. Cret.)	29	320-acre spacing with unit consisting of one-half section lying north-south or east-west at operator's option after administrative approval. Well no closer than 990' from unit boundary. (Order 8-74).	None
LARIAT Red River (Ord.)	1	Single well spacing unit for Red River. (Order 57-81).	None
LAUREL Dakota (L. Cret.) (Shut-in)	20	10-acre spacing unit. Well location to be in center of spacing unit with 75' topographic tolerance. (Order 15-62).	Gas from Muddy formation injected into the Dakota approved. (Order 85-79.)
LEARY Muddy (L. Cret.) (Shut-in)	3 1	80-acre spacing with locations in NE 1/4 and SW 1/4 of each quarter section, 200' topographic tolerance. (Orders 12-69, 19-70). Reduced Field Area. (Order 68-76).	None
LEDGER Bow Island (L. Cret.) Gas Sawtooth Oil	40 1	640-acre spacing: one well per section per sand to be located no closer than 990' from section line. Permissible to commingle two or more sands, subject to administrative approval by the Petroleum Engineer. (Order 53-77).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
LEROY			
Judith River-Eagle	23	320-acre spacing with unit consisting of one-half section lying north-south or east-west at operator's option after administrative approval. Well no closer than 660' from unit boundary and 990' from field boundary. (Order 19-75). Board Order 19-75 amended that a tolerance of 330' for permitted well be allowed for topographic reasons. (Order 72-80).	None
(Shut-in)	4		
Virgelle (U. Cret.) Gas	8		
(Shut-in)			
LISCOM CREEK			
Shannon (U. Cret.) Gas	8	Spacing, one well per 640 acres, with location no closer than 990' from section boundary. (Order 20-72).	None
(Shut-in)	1		
LISK CREEK			
Red River (Ord.) (Shut-in)	1	Statewide.	None
LITTLE BEAVER (Mont. Portion)			
Red River (Ord.)	15	Spacing waived and General Rules for (Deviation), (Commingling), and (Dual Completion) are suspended until present Unit Agreement becomes inoperative. (Order 41-62).	Waterflood of the Red River was commenced in August, 1967. (Order 3-66.) Minnelusa water.
LITTLE BEAVER, EAST (Mont. Portion)			
Red River (Ord.)	9	Same as for Little Beaver. (Order 42-62).	Waterflood of the Red River was commenced in April, 1965. (Order 33-64.)
(Shut-in)	4		
LITTLE CREEK			
Eagle-Virgelle (U. Cret.) Gas	1	Statewide.	None
LITTLE PHANTOM			
Sunburst	1	10-acre spacing units; well location to be located anywhere within the spacing unit but no closer than 220' from the exterior boundary lines of the field nor closer than 440' to any well capable of or producing from the Sunburst Sands. (Order 46-81).	None
LITTLE ROCK			
Blackleaf (L. Cret.) Gas	10	320-acre north half and south half spacing units. Well location no closer than 990' from west line of Section 14 and 660' from the remaining unit boundary lines. (Order 40-78). Field enlargement. (Orders 94-79 and 34-80).	None
LITTLE WALL CREEK			
Tyler (Penn.)	25	Statewide.	Produced water injected into Tyler formation (Orders 54-A-77, 63-A-78, 1-A-81.)
(Shut-in)	2		
LODGE GRASS			
Tensleep (Penn.)	1	Statewide.	None
LOHMAN			
Eagle (U. Cret.)	3	640-acre spacing; one well per section to be located no closer than 990' from section line. (Order 23-78).	None
(Shut-in)	1		
LONE BUTTE			
Red River (Ord.)	2	320-acre spacing units with well location at least 660' from unit boundary. Not delineated.	None
LONE RIDER			
Ratcliffe (Miss.)		Single spacing unit. (Order 120-82)	None
Red River (Ord.)	1		
LONETREE CREEK			
Red River (Ord.)	10	320-acre spacing, wells 660' from spacing boundary, 2000' between wells. (Order 29-72). Field reduction. (Order 162-81).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
LONETREE CREEK, WEST Red River (Ord.)	2	Spacing units shall be south half and north half of Section 12, T24N, R56E. No well closer than 660' from boundary or 1320' from existing well. (Order 73-82).	None
LONG CREEK Madison (Miss.) Charles	1	Statewide.	None
LONG CREEK, WEST Nisku (Dev.)	2	80-acre spacing units comprised of two contiguous quarter quarter sections which may lie in either one or two governmental sections aligned either north-south or east-west with location to be no closer than 330 feet from unit boundary nor less than 1000 feet from any other producing well. (Order 27-77).	None
LOOKOUT BUTTE (Includes Coral Creek Unit) Madison (Miss.) (Shut-in)	2 5	Statewide spacing.	Water disposal into Madison. (Order 68-62.) Waterflood of Silurian-Ordovician approved in 1966. (Order 35-66.) Water from Minnelusa.
Interlake, Red River (Sil.-Ord.) (Shut-in)	11 5	160-acre spacing; well location in center of SE 1/4 of each quarter section with 150 topographic tolerance. (Order 21-62). Coral Creek Unit not subject to spacing rules. Redelineated per Order 7-63.	
LORING UNIT, EAST Bowdoin, Greenhorn, Phillips (L.Colo.)	61	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn and Phillips) exist, a well may be drilled to each discrete formation and may be located no closer than 660' from the unit boundaries. (Order 60-82).	None
LOWELL Red River (Ord.)	4	320-acre spacing units consisting of two contiguous governmental quarter sections which may lie in either one or two governmental sections. Wells to be located no closer than 660' from unit boundary or closer than 1650' to well producing from the same horizon. (Order 104-79).	None
LUSTRE Madison (Miss.)	12	80-acre spacing units consisting of 1/2 of a regular governmental quarter section. Either E 1/2 and W 1/2 or N 1/2 and S 1/2. Well to be located in either NE 1/4 or SW 1/4 with 200' tolerance. (Order No. 19-83).	None
MACKAY DOME Greybull (L. Cret.) Oil	4	Statewide.	None
MALCOM CREEK Mission Canyon (Miss.)	1	Statewide.	None
MARIAS RIVER Bow Island (L. Cret.)	11	One well per section per horizon above the top of the Kootenai. Location to be no closer than 990' from section line. (Order 18-78).	None
MASON LAKE Lakota (L. Cret.) (Shut-in)	15 2	80-acre spacing units consisting of one half of a quarter section lying in either east-west or north-south direction; well location in center of the NE and SW quarter-quarter sections of each quarter section with 75' topographic tolerance. (Order 35-78). Amending Order 35-78 for certain lots designated as spacing units. (Order 66-78). Field enlargement. (Order 16-79).	Produced water disposed into Muddy formation. (Order 3-A-80.)
MASON LAKE, NORTH Amsden (Penn.)	1	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
McCABE Ratcliffe (Miss.)	3	160-acre spacing units; permitted well to be no closer than 660' from spacing unit boundary. (Order 100-80). 150' tolerance allowed for topographic reasons. (Order 3-81). Board Order No. 100-80 amended to eliminate the requirement of 1650' between wells producing from the Madison Group. (Order 37-81.)	None
McCABE, SOUTH Red River (Ord.)	1	Single spacing unit for the Nisku and Red River formations. (Order 81-82).	None
MEANDER Sunburst (L. Cret.) Oil (Shut-in)	2	40-acre spacing units; well location to be no closer than 330' to the unit boundaries. (Order 30-82).	None
MEDICINE LAKE Red River (Ord.) (Shut-in)	7	320-acre spacing units comprised of any two contiguous governmental quarter sections in either one or two governmental sections.	Produced water disposed into Muddy, Kibby & Dakota formations (Orders 133-A-81., 111-A-82.)
Winnipegosis (Dev.)	1	Well to be located no closer than 660' from unit boundary nor closer than 1650' to any well producing from the same formation. (Order 50-79).	
Ratcliffe-Midale (Miss.)	1		
MELSTONE Tyler (Penn.) (Shut-in)	12 2	Statewide.	Unitized and waterflood pressure maintenance program for Tyler formation. (Order 125-82.)
MELSTONE NORTH Tyler (Penn.)	0	Statewide.	None
MIDBY Red River (Ord.)	1	160-acre spacing units; well location to be no closer than 660' from unit boundary and spacing units designated by Order 24-81.	None
MIDDLE BUTTE Bow Island (Cret.) Gas (Shut-in)	4 1	Orders 3-60, 21-75 amended to delineate field extension and 320-acre spacing units consisting of the E 1/2 and W 1/2 of each section; well location no closer than 990' from the section line and 660' from the interior boundary. (Order 47-77).	None
MINERAL BENCH Charles (Miss.)	1	Statewide.	Water disposal into Dakota-Lakota per (Order 18-65.) Produced water injected into Judith River (Order 110-A-82.)
MINERS COULEE Sunburst (L. Cret.) Oil (Shut-in)	5	Oil: 40-acre units consisting of quarter-quarter sections; well location no closer than 330' from lease or property line and 660' from any other well. (Order 9-66). Order 9-66 amended to comply with Order 5-74).	None
Sunburst-Swift Gas (Shut-in)	3		
Sawtooth (M.Jur.) Gas	2		
Bow Island (L. Cret.) Gas (Shut-in)	1 15 1	Gas: 160-acre spacing with wells 990' from unit boundary. (Order 5-74). Sawtooth gas spacing unit. (Order 43-76). Field redelineation. (Order 44-77. Field enlargement. (Order 4-80).	
MISSOURI BREAKS Red River (Ord.)	1	320-acre spacing units as specified by Order 97-82.	None
MONA Red River (Ord.)	1	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal	
MONARCH				
Madison (Miss.)	10	80-acre spacing units consisting of east and west half of quarter section. Well location in SW 1/4 and NE 1/4 of quarter section. Location within 660' square at center of quarter section. (Order 18-61).	Produced water is disposed into the salt water disposal system for the Pennel Field. Waterflood initiated 12-1-73. (Order 23-73.)	
(Shut-in)	3			
Interlake, Red River (Sil.-Ord.)	6	160-acre spacing units consisting of a quarter section; well location in center of SW 1/4 of each quarter section with 175' topographic tolerance. (Orders 12-59, 4-63).		
MONDAK WEST				
Madison (Miss.)	27	320-acre spacing units for Silurian and Ordovician pools. Units to consist of either N 1/2 and S 1/2, or E 1/2 and W 1/2. Well location to be no closer than 660' to unit boundary or closer than 1650' to any well drilling or producing from same pool. (Order 42-77).	Produced water injected into Dakota-Lakota. (Order 49-A-78.), and (111-A-80.)	
Dawson Bay (Dev.)	1			
Winnepegosis (Dev.)		320-acre spacing units for Madison and Devonian formations. Units to consist of either N 1/2 and S 1/2, or E 1/2 and W 1/2. Well location to be no closer than 660' from a quarter section line or section line and no closer than 1650' to any well drilling or producing from same pool. (Orders 23-77, 33-78, 51-79)		
Interlake (Sil.)	1			
Stony Mtn. (Ord.)	3			
Red River (Ord.)	2			
Siluro (Ord.)				
MOSBY				
(See Cat Creek)				
MOSSER DOME				
Greybull (L. Cret.)	16	Spacing waived. Future development requires administrative approval of the Board. (Order 27-62).	None	
MT. LILLY				
Madison (Miss.)	Gas	2	640-acre spacing, well location in approximate center of any of the four quarter-quarter sections adjoining center of section; 250' topographic tolerance. (Order 37-63)	None
MUD CREEK				
Amsden (L. Penn.) (Shut-in)	2	640-acre spacing unit. Well location anywhere in 160-acre tract in center of each 640-acre well spacing unit. (Order 9-63).	None	
MUSSELSHELL				
Tyler (L. Penn.)	(Shut-in)	1	Statewide.	None
MUSTANG				
Red River (Ord.)	2	Statewide.	None	
NEISER CREEK				
Red River		Single spacing unit. (Order 78-82)	None	
NOHLY				
Red River (Ord.)	2	Statewide.	None	
NORTH FORK				
Red River (Ord.)	1	Statewide.	None	
(Shut-in)	1			
Mission Canyon (Miss.)	1			
(Shut-in)	1			
O'BRIENS COULEE				
Bow Island (L. Cret.)	17	Statewide.	None	
(Shut-in)	8			
OLD SHELBY				
Sunburst (L. Cret.)	Gas	6	320-acre spacing units to be comprised of either east half, west half, north half or south half of a section for Sunburst gas. Well location to be no closer than 660' to the unit boundary. (Order 85-81). Field enlargement. (Orders 114-81, 159-81) Amendment to Orders 85-81, 114-81 and 159-81 to include Kootenai and Dakota formations. (Order 116-82).	None
(Shut-in)	8			

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
OLLIE			
Red River (Ord.)	1	320-acre specified spacing units for the Red River and Duperow formations. The permitted well for each spacing unit to be located no closer than 660' from the spacing unit boundary. Order 73-80.	Produced water disposed into the Dakota formation (Order 11-A-82.)
Duperow (Dev.)	1		
OTIS CREEK			
Red River (Ord.)	3	Statewide.	None
OTIS CREEK, SOUTH			
Red River (Ord.)	1	320-acre spacing units; well to be located no closer than 660' to unit boundary. (Order 39-72). Extended field boundary. (Orders 56-76, 67-76). Orders 39-72 and 56-76 amended to eliminate spacing units. New spacing units are quarter sections. Well location no closer than 660' from unit boundary or 1650' from producing well with 150' tolerance. Operator may designate contiguous quarter sections as spacing units. (Order 73-81).	None
OTTER CREEK			
Red River (Ord.)	1	Statewide.	None
OUTLOOK			
Duperow (Dev.)	1	Statewide.	Produced water is disposed into Dakota and Siluro-Devonian formations. (Orders 16-59, 17-65, 36-66, 9-A-77.) Produced water disposed into Madison formation. (Order 59-A-78.)
Winnepegosis (Dev.)	2	Statewide.	
(Shut-in)	2		
Silurian-Devonian	3	160-acre spacing units; well location in center of either SW 1/4 or NE 1/4 of each quarter section; 175' topographic tolerance. (Order 19-59A).	
(Shut-in)	1		
OUTLOOK, SOUTH			
Winnepegosis (Dev.)	1	160-acre spacing; permitted wells in either SW 1/4 or NE 1/4 of quarter section; 175' topographic tolerance. (Orders 19-59A) commingling permitted. Order 45-64.	Produced water disposed into Muddy and Dakota formations. (Order 17-65.)
OUTLOOK WEST			
Winnepegosis (Dev.)	2	160-acre spacing units consisting of quarter sections; permitted wells in either SW 1/4 or NE 1/4 with a tolerance of 175'. (Order 7-67).	Produced water disposed into Dakota formations. (Order 42-66.)
OXBOW			
Red River (Ord.)	1	320-acre spacing consisting of two contiguous governmental quarter sections which may be in one or two governmental sections lying east-west or north-south at operator's option. Location to be no closer than 660' to the unit boundary or closer than 1650' to a well producing from same pool. (Order 7-78). Field enlargement. (Order 137-80).	None
PALOMINO			
Nisku (Dev.)	3	Statewide.	Produced water disposed into the Dakota formation (Order 6-A-82, 58-A-82.)
Mission Canyon			
PASTURE			
Interlake (Sil.)	0	Statewide.	None
PASTURE CREEK			
Red River (Ord.)	1	Statewide.	None
PELICAN			
Red River (Ord.)	1	320-acre spacing units; wells to be located no closer than 660' to any governmental section or quarter section line boundary. (Order 21-79).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
PENNEL			
Siluro-Ordovician Oil & Gas	137	80-acre spacing units consisting of east and west half of quarter section; wells located in center of SE 1/4 and NW 1/4 of quarter sections with 150' topographic tolerance. (Order 15-61). 80-acre spacing units on west side and 160-acre spacing units on east side of pool. Wells to be located in SE 1/4 and NW 1/4 of each quarter section (80 acres) and in SE 1/4 of each quarter section on 160-acre spacing. (Orders 1-56, 8-56, 15-61, 20-62,4-63, 7-63). Commingling approved. (Order 59-62).	Produced water is being injected into Dakota, Siluro-Ordovician and Madison formations. (Orders 16-60, 46-62. 68-62, 36-63, 13-64.) Waterflood for Siluro-Ordovician approved Nov. 1968. (Order 24-68.)
(Shut-in)	18		
PETE CREEK			
Sunburst (L. Cret.) Oil	1	Statewide.	None
PHANTOM			
Sunburst (Cret.) Gas	1	Gas: wells permitted anywhere within the unit but no closer than	None
Sunburst (L. Cret.) Oil	2	990' to the unit boundary.	
(Shut-in)	1	Oil: projected depths greater than 6000' to be located no closer than	
Swift (U. Jur.) Gas	3	660' to the unit boundary. Project depths less than 6000' to be located no closer than 330' to the unit boundary. (Order 48-77).	
PHANTOM, WEST			
Sunburst (L. Cret.) Gas	1	One well per spacing unit to be located no closer than 660' to the exterior boundaries of three certain spacing units. (Order 65-78).	None
PINE			
Mission Canyon (Miss.) Oil & Gas		Statewide spacing rules are waived within the Pine Unit. 80-acre spacing units outside of unit area; well location in NW 1/4 and SE 1/4 of quarter section; 150' topographic tolerance. (Order 37-62). Gas through extraction plant.	A waterflood program for the south area was started in 1959. A waterflood of the north area was approved in 1967. (Orders 13-68, 1-60, 8-62, 32-67.) Produced water injected into Mission Canyon. (Order 10-A-74.)
(Shut-in)	1		
Siluro-Ordovician Oil & Gas	95		
(Shut-in)	30		
PLENTYWOOD			
Red River (Ord.)		Statewide.	None
PLEVNA			
Judith River (U. Cret.) Gas	5	1200' from quarter section line; 2400' from other wells in same lease or unit; 75' topographic tolerance. (Orders 34-54, 4-57 and Order 34-54 Corrected).	None
(Shut-in)	5		
Eagle (U. Cret.) Gas	1		
(Shut-in)			
POLICE COULEE			
Bow Island (L. Cret.)	7	320-acre spacing units; location no closer than 990' from section line and 660' from half section lines. Spacing units to consist of north half or south half, east half or west half at discretion of operator. (Order 53-76). Extended Field boundaries. (Order 24-77). Field enlargements. (Orders 20-79 and 46-79).	None
PONDERA			
Madison (Miss.)	358	Oil: 220' from legal subdivision, 430' from other wells in same reservoir on same lease; 75' topographic tolerance. Porter Bench Extension: 330' from legal subdivision line; 650' from other wells in same reservoir on same lease or unit; 75' topographic tolerance. (Order 9-54). Gas: well to be located no closer than 1320' from the boundaries of any quarter section line, nor less than 3700' from every other drilling or producible well on the same lease or unit. (Order 9-54 Corrected).	Produced water injected into lower Madison. (Orders 11-56, 15-56, 4-65, 4-66, 20-A-71, 57-A-78, 58-A-78, 62-A-78, 71-A-78, 29-A-79, 62-A-79, 63-A-79, 64-A-79, 65-A-79, 14-A-80, 15-A-80, 16-A-80, 17-A-80, 127-A-81, 108-A-82, 7-A-82.)
(Shut-in)	16		
PONDERA COULEE			
Sun River (Miss.)	2	330' from legal subdivision lines or upon a 10-acre spacing pattern; 75' topographic tolerance. (Order 5-62).	None
(Shut-in)	3		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
POPLAR, EAST			
Madison (Miss.)	53	Statewide spacing; field delineated by Order 7-55. Redelineation of field. (Order 25-76).	Unitized in 1955. (Order 7-55.) Excess produced water has been injected into the Dakota, Judith River, and Mission Canyon formations. (Orders No. 1-55, 5-57, 7-57, 14-61, 21-61, 34-61, 10-62, 51-67, 10-A-73, 127-A-80, and 121-A-81.)
(Charles & Mission Canyon) (Shut-in)	18		
Heath (Tyler) (Penn.)	1		
POPLAR NORTHWEST			
Charles (Miss.)	19	80-acre spacing units consisting of east half and west half of each quarter section; permitted wells to be located in the center of NW 1/4 or SE 1/4 of each quarter section with 75' tolerance allowed in any direction for surface hazards and obstructions. (Order 18-55).	Produced water disposed into Dakota. (Order 61-A-78, 128-A-82.) Produced water disposed into the Judith River formation (Orders 13-A-82 and 14-A-82.)
("B" &"C" or McGowan Zone) (Shut-in)	1	80-acre specifically designated spacing units with well location to be located in the center of the NW 1/4 or SE 1/4 of each quarter section with a tolerance of 150' in any direction for topographic or geologic reasons. (Order 26-76)	
Madison (Miss.)	2	80-acre spacing units to be north half and south half or east half and west half of each quarter section; permitted well to be located in center of each NE 1/4 or SW 1/4 of each quarter section with 150' tolerance for topographic or geologic reasons. (Order 124-80). 80-acre spacing units for test wells to the Charles formation; spacing units to be north half and south half or east half and west half of each quarter section with location to be in center of each NE 1/4 or SW 1/4 of each quarter section with 150' tolerance for archeological reasons only. (Order 161-81).	
POPLAR, SOUTHEAST			
Charles (Miss.)	0	Statewide.	None
PRAIRIE DELL			
Bow Island (L.Cret.)	32	320-acre spacing units with well location no closer than 660' to spacing unit boundary. (Order 10-76). Redelineation and amendment to Order 10-76. Field enlargement by Orders 28-78, 24-79, 132-80, 40-81, 54-81 and 142-81.	None
Sunburst (L. Cret.)			
Swift (U. Jur.)			
PRAIRIE DELL, WEST			
Swift (U. Cret.) Gas	1	640-acre spacing unit; well to be no closer than 990' to the spacing unit boundary. (Order 16-78). Amending Order 16-78 to include all horizons above the Rierdon formation. (Order 54-78). Field enlargement. (Order 55-78).	None
PRAIRIE ELK			
Charles "C" (Miss.)	1	Statewide.	None
PRICHARD CREEK			
Sunburst (L. Cret.) Oil & Gas	4	Well locations subject to administrative approval.	Unitized as to Sunburst for water injection. (Order 7-73.)
(Shut-in)	2		
Swift (U. Jur.) Oil	1		
PUMPKIN CREEK			
Shannon (U. Cret.) Gas		Statewide. Delineated. (Order 10-71).	None
(Shut-in)	8		
PUTNAM			
Red River (Ord.)	12	Statewide.	None. Gas to McCulloch Gas Processing Corp. Brorson Plant.
(Shut-in)	1		
Mission Canyon (Miss.)	2		
Bakken	1		
RABBIT HILLS			
Sawtooth (Jur.)	5	160-acre spacing unit. Well location 660' from spacing unit boundary. (Orders 17-73, 34-74, 33-76). Redelineation. (Order 47-76).	Produced water disposed into Eagle formation. (Order 49-A-75.)
(Shut-in)	1		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
RAGGED POINT			
Tyler (Penn.)	17	40-acre spacing units; 75' topographic tolerance. (Order 8-59).	A waterflood project on the Tyler "A" sand was commenced in February, 1966, using Third Cat Creek water. (Order 35-65.)
(Shut-in)	6	Spacing waived for Tyler "A" sand reservoir within Tyler "A" Sand Unit except no well can be closer than 660' to unit boundary. (Order 35-65)	
RAGGED POINT, SOUTHWEST			
Tyler (Penn.)		Applicants may drill and produce wells to the Tyler "A" formation anywhere within the unit but not closer than 330' to the unit boundaries. (Order 83-82).	Tyler "A" waterflood unit agreement approval effective August 1, 1982 (Order 83-82.)
RAINBOW			
Red River	1	Single spacing unit. (Order 69-82).	None
RAPELJE			
Clagett, Eagle, Judith River	11	160-acre spacing. Wells no closer than 990' to unit boundary. Com-	None
Virgelle (U. Cret.)	1	mingling after administrative approval. (Order 29-73).	
RATTLER BUTTE			
Tyler (Penn.)	6	Statewide.	None
RATTLESNAKE COULEE			
Sunburst (L. Cret.) Oil & Gas	5	Statewide.	None
RAYMOND			
Nisku (Dev.)	1	320-acre spacing units. Wells 660' from spacing unit boundary.	Produced water injected into Dakota formation. (Order 38-A-74.) Produced water injected into Mission Canyon (Order 105-A-79) and (113-A-80.) Produced water injected into Raymond formation, (Order 131-A-81.) Authorization to inject gas into the Nisku formation. (Order 135-81.)
Red River (Ord.)	2	(Order 38-72). Gas Storage. (Order 50-78). Field extension-new	
Winnipegosis (Dev.)	2	pool designation (Order 35-79). Order 50-78 amended by Order	
Charles (Miss.)	10	60-79. Field enlargement. (Orders 31-80 and 128-80). Field reduction. (Order 135-81).	
RAYMOND, NORTH			
Red River (Ord.)	1	Single spacing unit. (Order 94-82).	None
RAYMOND, NORTHEAST			
Nisku (Dev.)	1	160-acre spacing units. Wells 660' from spacing unit boundary. (Order 12-74).	None
REAGAN			
Sun River (Miss.) Oil	52	Statewide. (Order 17-54).	A pressure maintenance project utilizing gas injection was started in 1961. (Order 21-60.) Waterflood. (Order 27-72.)
(Shut-in)	20		
Gas	1		
RED BANK			
Mission Canyon	7	Statewide.	Produced water disposed into the Dakota formation (Order 10-A-82)
Red River (Ord.)	2		
Ratcliffe (Miss.)	9		
RED BANK, SOUTH			
Red River (Ord.)	1	Statewide.	None
RED CREEK			
Cut Bank (L. Cret.) Oil & Gas	9	40-acre spacing units; wells in center of spacing unit with 75' topographic or obstruction tolerance; spacing and field rules waived for unitized portion. (Orders 16-58, 73-62, 31-64, 5-70).	Excess produced water injected into Bow Island and Madison. (Orders 22-63, 37-64.) A waterflood project in the Cut Bank sand was initiated in June, 1965, using Madison water.
Sun River (Miss.) Oil & Gas	16		
(Shut-in)	3		
RED FOX			
Nisku (Dev.)	1	Field consists of one 160-acre spacing unit which straddles the section line. (Order. 20-67).	None

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
RED ROCK				
Eagle (U. Cret.)	Gas	5	Spacing units shall consist of the north half and south half of section with permitted well to be no closer than 990' from exterior section line nor closer than 660' to half section line. (Order 89-79).	None
RED WATER				
Duperow (Dev.)	(Shut-in)	1	Statewide.	None
REDSTONE				
Winnipegosis (Dev.)		1	One well per 160-acre unit, but no closer than 660' from unit boundary. (Order 30-67).	None
REFUGE				
Red River (Ord.)		1	Statewide.	None
REPEAT				
Red River (Ord.)		1	Statewide.	None
RESERVE				
Red River (Ord.)		5	160-acre spacing units; permitted well within 1320' square in center of quarter section. Commingling of Red River and Interlake production permitted on individual well basis. (Orders 34-66, 27-67).	Excess water injected into Dakota sand. (Order 23-A-67.)
Winnipegosis (Dev.)				
RICHEY				
Charles (Miss.)		4	Statewide. Original 80-acre spacing revoked. (Order 11-73).	None
RICHEY, EAST				
Charles (Miss.)		1	Statewide.	None
RICHEY, SOUTHWEST				
Interlake, Dawson Bay		2	160-acre spacing units; wells no closer than 900' from boundary of spacing unit. (Order 25-62).	A waterflood project in the Interlake and Dawson Bay was started in 1965. (Order 34-65.)
(Sil.) (Dev.)	(Shut-in)	4		
RICHEY, WEST				
Charles (Miss.)		1	Statewide.	None
RIDGELAWN				
Madison (Miss.)		25	Statewide.	None
	(Shut-in)	1		
Red River		5		
RIPRAP COULEE				
Ratcliffe (Miss.)		5	Statewide.	None
RIVERBEND				
Red River (Ord.)		1	Statewide.	None
ROCKY BOY AREA				
Eagle-Virgelle (U. Cret.)		7	Statewide.	None
	(Shut-in)	3		
Judith River (U.Cret.)		3		
ROCKY POINT				
Red River (Ord.)		2	320-acre spacing unit; well to be located no closer than 660' from exterior boundary. (Order 22-79).	None
ROSCOE DOME				
Lakota (L. Cret.)		1	Statewide.	Steam injection into Greybull and Lakota formations (Order 40-82.)
ROSEBUD				
Tyler (L. Penn.)		5	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
ROYALS			
Dawson Bay (Dev.)	1	Statewide.	None
RUDYARD			
Sawtooth (M. Jur.) Gas	7	640-acre spacing units consisting of one section; well location in center of NW 1/4 of section with 75' topographic tolerance. (Order 2-58). Field boundaries reduced (Order 39-76).	None
Oil	4		
RUNAWAY			
Madison (Miss.) (Shut-in)	1	Statewide.	None
RUSH MOUNTAIN			
Red River (Ord.)	1	Statewide. Dual zone completion in discovery well.	Excess water injected into Dakota sand. (Order 5-A-71.)
SAGE CREEK			
Greenhorn (Cret.) Gas	19	640-acre spacing, one producing well per section per formation above the Kootenai to be located no closer than 990' from section line. (Order 38-77). Amended field boundary. (Order 86-79). Field enlargement. (Order 33-81).	None
(Shut-in)			
Blackleaf (L. Cret.) Gas			
(Shut-in)	2		
SALT LAKE			
Bakken-Nisku (Miss.-Dev.)	3	Statewide.	Produced water disposed into Nesson (Madison) formation. (Order 61-A-80.)
SAND CREEK			
Interlake, Red River	6	80-acre spacing units consisting of any two adjacent quarter-quarter sections. Wells located in center of NW 1/4 and SE 1/4 of each quarter section. (Order 16-59). Commingling of production from Interlake and Red River authorized per (Order 49-62).	Excess produced water is injected into the Swift formation. (Order 9-61.)
(Sil.) (Ord.) (Shut-in)	1		
SANDWICH			
Sunburst (L. Cret.) Gas	1	320-acre spacing unit. Well located no closer than 990' to spacing unit boundaries. (Order 17-77).	None
Swift (U. Jur.) Gas (Shut-in)	1		
SAWTOOTH MOUNTAIN & AREA			
Judith River (U. Cret.)	8	640-acre spacing units, one well per section per formation, location to be not less than 990' from governmental section line. (Order 45-76).	None
Eagle (U. Cret.) (Shut-in)	23		
SCOBEY			
Madison (Miss.) (Shut-in)	1	Statewide.	None
SECOND CREEK			
Red River (Ord.)	4	303.1-acre spacing unit; one well field. (Order 34-78).	Produced water injected into Dakota/Lakota formations (Order 127-A-82.)
SECOND CREEK-DUPEROW			
Duperow (Dev.) (Shut-in)	1	160-acre spacing units; well locations for each unit to be as specified by Order 119-80.	None
SHEEPHERDER			
Tyler (L. Penn.)	3	Statewide.	None
SHELBY AREA			
Sunburst (L. Cret.) Gas	33	Statewide. Field outline not delineated. A few small Swift sand wells commingled with Sunburst.	None
(Shut-in)	17		
Bow Island (L. Cret.) Gas	5		
SHERARD FIELD			
Eagle (U. Cret.) Gas	5	640-acre spacing units; 990' from section line. (Order 1-74). 160-acre spacing units; (Eagle) 990' from section line, 660' from quarter section line. (Order 7-77).	None
(Shut-in)	4		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
SHERARD UNIT			
Eagle (U. Cret.) Gas	17	Statewide.	None
(Shut-in)	14		
Judith River (U. Cret.) Dual	1		
SHERARD AREA			
Eagle (U. Cret.)	11	Statewide.	None
(Shut-in)	11		
SHERARD WEST			
Eagle, Virgelle (U. Cret.) (Shut-in)	1	160-acre spacing units; location no closer than 660' to unit boundary. (Order 90-76).	None
SHOTGUN CREEK, NORTH			
Gunton (Ord.)	3	320-acre spacing units consisting of two contiguous governmental quarter sections which may be in one or two sections with permitted well to be no closer than 660' to the unit exterior boundary and no closer than 1500' to any well producing from the same formation. If not feasible to produce two zones separately, commingling permissible with prior administrative approval. (Order 49-77).	None
Red River (Ord.)			
SIDNEY			
Mission Canyon (Miss.)	22	160-acre spacing units for Madison Group. One well per spacing unit to be located no closer than 660' from unit boundary and no closer than 1650' to well producing from the same formation. (Order 5-79. Field enlargement. (Order 99-80).	Excess water injected into Dakota formation. (Order 41-A-78.)
Red River (Ord.)	4		
SIDNEY, EAST			
Madison	7	Statewide.	None
SINGLETREE			
Red River (Ord.)	1	Statewide.	Produced water disposed into Dakota formation. (Order 59-A-80.)
SIOUX PASS			
Interlake (Sil.) (Dual)	1	320-acre spacing units consisting of two adjacent governmental quarter sections lying north-south or east-west at operator's option. Permitted well no closer than 660' from unit boundary. (Interlake and Red River). 160-acre spacing unit (Mission Canyon) with well no closer than 660' from unit boundary. Commingling of Interlake and Red River production authorized. (Order 10-75). Amended field boundary. (Order 15-77). Field reduction. (Order 89-81).	Excess water injected into Dakota formation. (Order 15-A-75.)
Red River (Ord.)	7		
Mission Canyon	1		
(Shut-in)	1		
SIOUX PASS, EAST			
Red River (Ord.)	2	Statewide.	None
SIOUX PASS, MIDDLE			
Red River (Ord.)	6	320-acre spacing units to consist of two contiguous governmental quarter sections at operator's option. Location to be no closer than 660' from exterior boundary of unit and no closer than 1650' from well producing from same formation. Commingling permissible with Administrative approval. (Order 55-76). An exception to Order 55-76 by (Order 39-81).	None
SIOUX PASS, NORTH			
Nisku (Dev.) Red River (Ord.) Dual	1	320-acre spacing units with well location at least 660' from unit boundary. (Order 12-75). Field enlarged. (Order 16-75). Commingling from Interlake and Red River approved. (Order 36-76). Field extension. (Order 12-77). Orders 12-75, 16-75 and 12-79 amended by (Order 8-79). Field extension. (Order 13-79). Orders 12-75, 12-77, 8-79 and 13-79 amended to allow 150' tolerance closer to quarter section line or nearest well producing from same reservoir for topographical reasons. (Order 10-81). Field enlargement. (Order 48-81).	Produced water injected in Dakota-Lakota formations. (Order 34-A-75.)
Red River (Ord.)	13		
(Shut-in)	2		
Madison (Miss.)	4		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
SIOUX PASS, NORTH-DUPEROW Duperow		Two 320-acre spacing units. (Orders 107-80,74-82).	None
SIOUX PASS, SOUTH Red River (Ord.)	1	Statewide.	None
SNOOSE COULEE Bow Island (L. Cret.) Gas (Shut-in)	8 1	640-acre spacing units; location no closer than 990' from spacing unit boundary. Bow Island and shallower formations. (Order 18-77).	None
Sunburst	1		
SNOW COULEE Sunburst (L. Cret.) Gas (Shut-in)	1	Spacing units. E 1/2 Section 33 and W 1/2 Section 34, T36N, R4E designated as spacing units. (Order 78-76).	None
SNYDER Tensleep (Penn.) (Shut-in)	3 1	10-acre spacing units with center 5-spot permitted; 150' topographic tolerance. (Order 45-62).	None
SOAP CREEK Tensleep, Amsden, Madison (Penn.) (Penn.) (Miss.) (Shut-in)	25 5	One well per 10-acre spacing unit per producing formation; well location in center of spacing unit with 100' topographic tolerance. (Order 26-60).	None
SOAP CREEK, EAST Tensleep (Penn.)	3	Statewide.	None
SOBERUP COULEE Bow Island (L. Cret.) Gas	1	Statewide.	None
SOUTH FORK Red River (Ord.) Mission Canyon (Miss.)	3 1	Statewide.	None
SPRING COULEE Sawtooth (Jur.)	3	Statewide.	None
SPRING LAKE Nisku (Dev.) (Shut-in) Red River (Ord.) Bakken	1 2 1	One well per 160-acre spacing unit. Well location anywhere within 840' square in center of spacing unit. (Order 6-63). Field redelineation. (Orders 30-76, 49-76).	None
SPRING LAKE, SOUTH Red River (Ord.)	1	Single spacing unit. (Order 81-81).	None
SPRING LAKE, WEST Duperow (Dev.)		Single spacing unit. (Order 42-82).	None
STAMPEDE Red River (Ord.)	2	320-acre specified spacing units for the Red River formation. 160-acre spacing units for the Duperow formation with well location to be no closer than 660' from a spacing unit boundary line. (Order 19-82).	None
STAMPEDE, NORTH Nisku (Dev.) Oil	1	160-acre single spacing unit for Nisku formation. (Order 29-82).	None

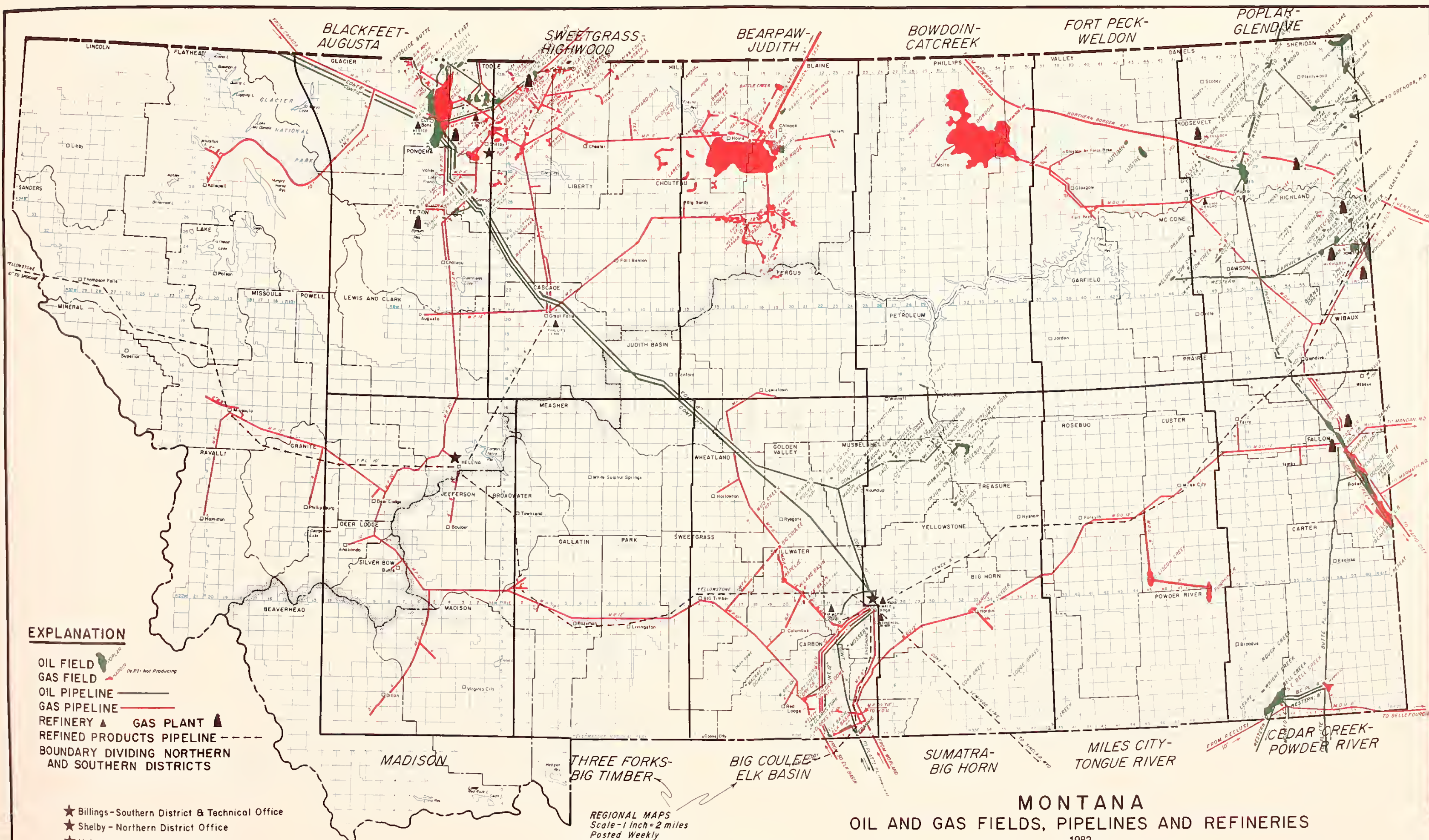
Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
STENSVAD			
Tyler (Penn.)	4	40-acre spacing units; well location in center of spacing unit with	None
(Shut-in)	11	200' tolerance. (Orders 2-59), 7-60). Wells may be drilled anywhere within waterflood unit boundary, no closer than 660' from unit boundary. (Order 5-65, amended.)	
STRATER			
Phillips (U. Cret.) Gas	0	160-acre spacing units; well location to be no closer than 660' from quarter section line. (Order 103-81).	None
STRAWBERRY CREEK AREA			
Bow Island-Blackleaf (L. Cret.)	1	Statewide.	None
Gas			
(Shut-in)	2		
SUMATRA			
Tyler (Penn.) Oil & Gas	55	40-acre spacing units; well located in center of unit with 75' tolerance. (Order 14-58). Field redelineated. (Order 14-75). Vacuum pumps permitted on certain wells. (Orders 99-79 and 32-80).	Seven waterflood units using Madison water. (Orders 48-67, 6-69, 19-69, 23-69, 5-75, 21-78, and 43-80.) Produced water disposed into Madison formation. (Order 7-A-76.)
Amsden			
SUNNYHILL			
Red River (Ord.) Oil & Gas	2	320-acre spacing units; location to be no closer than 660' to the section or quarter section line which is the exterior boundary of the unit	Produced water disposed into Dakota formation. (Order 27-A-80.)
Madison (Miss.)	2	nor closer than 1650' to any well producing from same formation. (Order 39-78).	
SWANSON CREEK			
Phillips (U. Cret.) Gas	58	320-acre spacing units; (Order 36-75) amended to enlarge field and provide that spacing units may run north-south or east-west with permitted wells to be no closer than 990' to section or quarter section lines. (Order 11-78). Field boundaries extended by Orders 32-78, 92-79, 66-80 and 55-81. All previous Swanson Creek orders are amended to allow one additional well in each existing 320-acre spacing unit that shall be drilled in a manner that there be no more than one well per quarter section and located no closer than 660' to the quarter section boundaries. (Order 28-82) ⁶	None
(Shut-in)	24		
SWEETGRASS			
Sunburst (L. Cret.)	0	Single spacing unit. (Order 121-82).	None
TARGET			
Charles/Ratcliffe		Single spacing unit for Mission Canyon/Ratcliffe formations. (Order 18-82). Amendment to Order 18-82 for field enlargement and establishing 160-acre spacing units with permitted well locations to be no closer than 660' from the unit boundaries. 150' tolerance for topographic reasons. (Order 35-82).	None
Madison (Miss.)	11		
THREE BUTTES			
Gunton & RR	3	160-acre spacing units, well location no closer than 660' from governmental quarter section line or unit boundary. (Order 11-81).	None
Mission Canyon	1		
(Shut-in)	1		
THREE MILE			
Eagle (U. Cret.)	4	Statewide.	None
(Shut-in)	2		
TIBER			
Bow Island (L. Cret.) Gas	5	Spacing allows one well for each gas producing horizon to be located anywhere within the section but no closer than 990' to the section line. (Order 143-81).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
TIGER RIDGE			
Eagle (U. Cret.) Gas (Shut-in)	184 3	Field delineated; (Orders 17-67, 23-68). Redelineated and established. Statewide spacing. (Order 10-70). Statewide for field area not unitized. Two units: wells to be located no closer than 990' from unit boundary. (Orders 11-72, 41-72). 160-acre spacing units; Sections 20, 21, 22, 27, 28, 33, 34, T32N, R16E, (Judith River) locations to be no closer than 660' from unit boundary. (Order 32-73). Enlarge and redelineate field. (Order 13-75). 160-acre spacing units in Sections 22, 23, 24, T32N, R14E (Eagle & Virgelle) wells to be located no closer than 990' from section line and 660' from quarter section line. (Order 37-75). 160-acre spacing units; NW 1/4 & NE 1/4 Section 30, T31N, R17E, well to be located at least 990' from quarter section line. 75' tolerance allowed for topographic reasons. (Order 51-77). 160-acre spacing units; Sections 32, 33, T31N, R17E and Section 4, T30N, R17E (Eagle) to be located no closer than 990' to a section line and 660' to quarter section line. (Order 52-77). Field enlargement. (Order 46-78). Field enlargement. (Order 48-79). Amendment to Orders 17-67, 23-68 and 10-70 to establish 320-acre spacing units in certain areas. (Order 79-79). Field enlargement and amending field rules to certain portions thereof. (Order 26-80). Amendment to Orders 17-67, 23-68 and 10-70 to allow an additional well in certain sections. (Orders 50-80 and 51-81). Amendment to Order 13-75 that allows one well per 160-acre spacing unit for Eagle formation with location to be no closer than 990' to boundaries of quarter section underlying Section 35, T32N, R18E. (Order 54-80). Amendment to Orders 17-67, 23-68 and 10-70 to allow an additional well to the Eagle formation within certain specified sections. (Order 26-82).	Excess produced water injected into Eagle formation. (Orders 19-A-73, 46-A-75.) (Order 19-A-73) Amended by (Order 60-A-78.)
TIGER RIDGE, NORTH			
Eagle (U. Cret.)	1	160-acre spacing units; one well per horizon per spacing unit from the Virgelle formation to the surface. Well to be no closer than 990' to the section line nor closer than 660' to the interior quarter section line. (Order 80-79).	None
TIPPY BUTTES			
Tyler (Penn.)	1	Statewide.	Water injection into lower Tyler formation (Order 57-82.)
TRAIL CREEK			
Sunburst (L. Cret.) Gas Bow Island (L. Cret.)	6	One well per 320-acres consisting of S 1/2 and N 1/2 of each governmental section but not closer than 990' from spacing boundary. (Orders 33-70, 28-76). Field enlargements. (Order 135-80).	None
TULE CREEK			
Nisku (Dev.) (Shut-in)	5 1	160-acre spacing units with permitted well anywhere within 1320' square in center of each unit. (Orders 26-62, 6-65, 11-67, 5-77).	Produced water injected into Dakota and Judith River formations. (Orders 12-66, 24-67, 8-A-76, 134-A-81.) Produced water disposed into Dakota formation (Order 38-A-82.)
TULE CREEK, EAST			
Nisku (Dev.)	1	160-acre spacing units with permitted well anywhere within 1320' square in center of each unit. (Orders 40-64, 6-65).	Water injected into Judith River formation. (Order 13-68.) Water injected into Nisku formation. (Order 28-A-79.)
TULE CREEK, SOUTH			
Nisku (Dev.)	1	160-acre spacing units with permitted well anywhere within a 1320' square in center of each unit. (Orders 34-64, 6-65).	Authority given to dispose of produced water into Dakota. (Order 44-64.) Into Judith River formation. (Order 29-67.)
TWO FORKS			
Judith River (U. Cret.) Gas	1	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
TWO MEDICINE CREEK Sun River (Miss.)	1	Statewide.	Produced water disposed into Cut Bank formation (Order 89-A-80.)
TWO WATERS Red River (Ord.) Bakken	1 1	Statewide.	None
UTOPIA, GAS Sawtooth (Jur.) Gas (Shut-in)	4 3	640-acre spacing units; well location may be anywhere within the unit but no closer than 990' to any governmental section line. (Order 13-80).	None
UTOPIA SWIFT Swift (U. Jur.) Oil (Shut-in)	21 2	40-acre spacing units; location to be in center of quarter-quarter section with no more than 100' topographic tolerance. (Order 9-78). Order 9-78 amended. Spacing units shall consist of 1 well per quarter quarter section no closer than 330' from the section boundary. (Order 96-81).	None
VANDALIA Bowdoin, Greenhorn, Phillips (L. Colo.)	9	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn and Phillips) exist a well may be drilled to each discrete formation and to be located no closer than 660' to the unit boundaries. (Order 61-82).	None
VAUX Red River (Ord.) Mission Canyon (Miss.) Interlake (Sil.)	4 11 3	Statewide.	Produced water injected into the Dakota formation. (Order 44-A-79.)
VAUX SOUTH Red River Stonewall	1 1	Statewide.	Produced water injected into Dakota formation. (Order 109-A-82.)
VIDA Interlake (Sil.)	1	160-acre spacing units with permitted well anywhere within an 840' square in center of each unit. (Order 39-63). Field area reduction. (Order 79-76).	Water injected into Lakota formation. (Order 14-68.)
VIKING Dawson Bay (Dev.) (Shut-in) Winnepigosis	1	320-acre spacing units, designated to be located no closer than 660' to the unit exterior boundary and no closer than 1500' to any well producing from the same formation. If not feasible to produce two zones separately, commingling permissible with prior administrative approval. (Order 50-77).	None
VOLT Nisku (Dev.) Charles"C" (Miss.)	5 1	160-acre spacing units with permitted well anywhere within a 1320' square in center of each unit. (Orders 27-64, 6-65, 32-65). Statewide.	Excess produced water is disposed into Judith River. (Orders 3-65, 37-A-74.)
WAGON BOX Tyler (Penn.) (Shut-in)	1 1	Statewide.	None
WAGON TRAIL Red River	1	Statewide.	None
WEED CREEK Amsden (Penn.)	1	Statewide.	None
WELDON Kibbey (Miss.) (Shut-in)	3 1	80-acre spacing unit; each quarter section divided into two separate units running in either a north-south or east-west direction; well location in center of NE 1/4 and SW 1/4 of quarter section with 200' topographic tolerance. (Order 9-65).	Excess produced water is disposed into the Dakota, Lakota, Morrison, Charles, and Kibby formations (Orders 31-65, 47-65, 37-66, 16-67, 51-A-81, 118-A-81, 128-A-81.)

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
WEST BUTTE			
Sunburst (L. Cret.) Oil	5	Statewide, except W 1/2 Section 16 is considered a single spacing unit. Sawtooth-Madison gas commingled, unitized. (Order 5-72). No well closer than 330' from unit boundary.	None
Bow Island (L.Cret.) Gas (Shut-in)	1		
Sawtooth (Jur.) Gas (Shut-in)	3		
Madison (Miss.) Gas (Shut-in)	1		
WEST BUTTE SHALLOW GAS			
Bow Island (L.Cret.)(Shut-in)	2	160-acre spacing units; with one well to be permitted to produce from each individual gas producing formation above the top of the Kootenai to the surface within each 160-acre spacing unit. Well locations to be anywhere within the spacing unit but not closer than 990' from the spacing unit boundaries. (Order 39-77).	None
WEST FORK			
Charles (Miss.)	1	Statewide.	None
WHITLASH			
Bow Island, Kootenai, Swift Oil (Cret.) (Jur.) (Shut-in)	45	Gas: 300' from legal subdivision line and 2400' between wells, 75' topographic tolerance. Oil: 330' from legal subdivision line and 650' between wells; 5-spot location at center of 40-acre tract permitted; 75' topographic tolerance. (Orders 16-54, 27-70). Order 16-54 amended to include S 1/2 of Section 30, T37N, R4E. SW 1/4 of 30 is 1 spacing unit, SE 1/4 is the other. Well location no closer than 990' from spacing unit boundary. (Order 45-81).	None
Gas (Shut-in)	33		
	5		
Madison (Miss.) Gas	1		
WHITLASH, WEST			
Sunburst, Swift (Cret.) (Jur.) Gas (Shut-in)	3	Gas: 160-acre spacing units consisting of quarter sections; well location anywhere within a 660' square in center of spacing unit. Oil: 330' from legal subdivision line, 650' between wells in same reservoir on same lease; 5-spot location permitted. (Orders 61-62, 22-65 as amended). Order 61-62 amended by Order 48-77. Field extension. (Order 18-79).	None
	4		
WILLIAMS			
Bow Island (L. Cret.) Gas	18	640-acre spacing unit; well to be located no closer than 990' to exterior boundary for all formations above the Kootenai. (Order 49-79). Amendment enlarging field boundary. (Order 102-79).	None
WILLOW CREEK NORTH			
Tyler (Penn.) Oil (Shut-in)	2	Statewide.	Pilotflood. (Order 19-72.)
	1		
WILLOW RIDGE			
Bow Island (L. Cret.) Gas (Shut-in)	16	640-acre spacing units; location to be no closer than 990' to unit boundary for gas production from all formations to the top of the Kootenai. (Order 29-78). 40-acre spacing units with permitted 5 wells; well may be located in the center of each 10 acre quarter, quarter, quarter section and one in the center of each 40-acre subdivision with a 75' topographic tolerance allowed. (Order 30-78).	None
	3		
Burwash (Cret.) Oil	4		
WILLOW RIDGE, SOUTH			
Bow Island (L. Cret.) Gas	2	Statewide.	None
WILLS CREEK, SOUTH			
Interlake (Sil.)	3	160-acre spacing units. Well location in center of SE 1/4 of each unit with 175' topographic tolerance. (Orders 5-64, 30-66).	Waterflood initiated 12-1-73. (Order 23-73.)
WINDMILL			
Duperow (Dev.)	1	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
WINNETT JUNCTION Tyler (Penn.)	4	20-acre spacing units. Units to be designated as W 1/2 and E 1/2 of quarter-quarter section, no closer than 120' to the boundary of a spacing unit. (Order 57-76). Certain lands bound by Order 57-76 vacated by Order 41-77.	A waterflood operation commenced October 1, 1977 into Tyler formation. (Order 41-77.)
WISHBONE Swift (U. Jur.)	1	Single spacing unit. (Order 87-81).	None
WOLF SPRINGS AMSDEN (PENN.) (Shut-in)	6 1	80-acre spacing units consisting of N 1/2 and S 1/2 of each quarter section. Well location in center of NW 1/4 and SE 1/4 of each quarter section with 75' topographic tolerance. (Orders 4-56, 9-59). Field area reduction. (Order 92-76).	None
WOODROW Interlake (Sil.) Red River (Ord.)	6	80-acre spacing units consisting of any two adjacent quarter-quarter sections; well locations in center of NE 1/4 and SW 1/4 of each quarter section with 200' topographic tolerance. (Order 47-62).	Produced water injected into Dakota. (Order 48-62.)
WRANGLER Red River (Ord.)	2	Statewide	None
WRANGLER, NORTH Red River (Ord.)	3	Statewide.	None
WRIGHT CREEK Muddy (L. Cret.) (Shut-in)	4 1	80-acre spacing consisting of N 1/2 and S 1/2 of quarter section with locations in NW 1/4 and SE 1/4 of each quarter section with 200' tolerance. Field area reduction. (Order 69-76).	Excess produced water is disposed of into the Muddy formation. Order 8-A-77.)
YATES Duperow (Dev.)	2	320-acre spacing units; well locations as specified for the Duperow and Red River formations that may be dually completed. (Order 92-81).	None



EXPLANATION

- OIL FIELD
- GAS FIELD
- OIL PIPELINE
- GAS PIPELINE
- REFINERY
- GAS PLANT
- REFINED PRODUCTS PIPELINE
- BOUNDARY DIVIDING NORTHERN AND SOUTHERN DISTRICTS

- ★ Billings - Southern District & Technical Office
- ★ Shelby - Northern District Office
- ★ Helena - Administrative Office

REGIONAL MAPS
Scale - 1 inch = 2 miles
Posted Weekly
Contact: BOARD OF OIL AND GAS CONSERVATION
2535 St. John's Avenue Billings, Mont. 59102

MONTANA
OIL AND GAS FIELDS, PIPELINES AND REFINERIES
1982
BOARD OF OIL AND GAS CONSERVATION

STATE OF MONTANA SUMMARY OF PRODUCING OIL FIELDS – 1982

LINE NO.	FIELD	COUNTY	PRODUCING FORMATION	YEAR OF DISCOVERY	DEPTN	GRAVITY °API	F.V.F.	NET PAY FT.	PORO-SITY (%)	% WATER	RECOVERY FACTOR %		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1982 PRODUCTION		CUMULATIVE PRODUCTION 1-1-83 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs./ ACRE	BBLs./ ACRE FT.	M BBLs	BOPO			
1.	Anvil	Roosevelt	Red River	1978	12,600	47	1.63	26	14	32	7		2,560	30,150	11,780	1,970		1,970	770	30	309,112	847	1,009	961	1.
2.	Ash Creek	Big Horn	Shannon	1952	4,500	34	1.05	14	22	42	40	5	120	1,584	13,200	630	180	810	6,750	482	6,886	19	798	12	2.
3.	Bainville North	Roosevelt	Ratcliffe	1980	8,800	30	0	13					160					810			9,456	26	15	37	3.
4.	Bainville North	Roosevelt	Red River	1979	12,400	43	1.55	40	9	32	4		2,240	27,446	12,252	1,020		1,020	455	11	106,126	291	372	648	4.
5.	Bainville North	Roosevelt	Winnipegosis	1979	11,400	44	1.6	35	7	20	7		320	3,041	9,503	220		220	688	20	41,565	114	88	132	5.
6.	Bainville West	Roosevelt	Red River	1978	8,500	34	1.5	12	6	45	14		640	1,311	2,048	180		180	281	23	27,497	75	118	62	6.
7.	Bannatyne	Teton	Swift	1927	1,500	27	1.05	39	15	43	2		640	15,768	24,637	370		370	578	15	13,111	36	280	90	7.
8.	Bears Den	Liberty	Swift	1924	2,300	39	1.08	20	9	35	21		280	2,353	8,403	490		490	1,750	88	7,080	19	472	18	8.
9.	Bell Creek	Powder River	Muddy	1967	4,400	36	1.11	10	26	23	56	28	8,200	114,737	13,992	64,740	67,650	132,390	16,145	1,615	2,950,160	8,083	119,528	12,862	9.
10.	Benrud East	Roosevelt	Nisku	1962	7,500	46	1.37	22	15	30	45		480	6,279	13,081	2,810		2,810	5,854	266	51,231	140	2,504	306	10.
11.	Benrud Northeast	Roosevelt	Nisku	1964	7,400	46	1.4	23	16	30	43		160	2,284	14,275	990		990	6,188	269	11,204	31	929	61	11.
12.	Big Muddy Creek	Roosevelt	Red River	1975	11,900	48	1.72	11	14	36	43		640	2,845	44,445	1,210		1,210	1,891	172	52,608	144	1,011	199	12.
13.	Big Wall	Musselshell	Amdsen	1953	2,500	19	1.01	17	16	35	81		80	1,086	13,575	880		880	11,000	647	24,467	67	866	14	13.
14.	Big Wall	Musselshell	Tyler	1948	3,000	31	1.02	22	17	40	81	1	440	7,510	17,068	6,100	230	6,330	14,386	654	47,668	131	6,281	49	14.
15.	Black Diamond	Wibaux	Red River	1981	11,310	27	1.31	4	40	10	1		640	5,458	8,528	80		80	125	31	34,548	95	48	32	15.
16.	Blackfoot	Glacier	Cut Bank, Greenhorn, Madison	1957	3,500	30	1.11	15	15	35	23	22	280	2,862	10,221	650	1,100	1,750	6,250	417	37,378	102	1,207	543	16.
17.	Blue Hill	Richland	Red River	1977	12,500	48	1.35	32	10	60	3		640	4,708	7,356	160		160	250	8	19,903	55	142	18	17.
18.	Boulder	Richland	Red River	1976	10,400	46	2.3	11	22	16	14		160	1,097	6,856	150		150	938	85	6,584	18	135	15	18.
19.	Bowes	Blaine	Sawtooth	1949	3,300	19	1.02	32	12	31	23		2,000	40,305	20,152	9,290		9,290	4,645	145	118,544	325	8,839	451	19.
20.	Box Canyon	Richland	Red River	1980	11,800	46		11					640								18,171	50	102	25	20.
21.	Bradley	Glacier	Madison	1959	3,500	26	1.25	6	11	49	162		80	167	2,087	270		270	3,375	563	5,313	15	233	37	21.
22.	Brady	Pondera	Sunburst	1942	1,500	34	1.01	10	12	30	6		400	2,581	6,452	150		150	375	38	20,775	57	110	40	22.
23.	Breed Creek	Rosebud	Tyler	1976	4,900	32	1.15	20	15	37	38		160	2,040	12,750	780		780	4,875	244	57,077	156	599	181	23.
24.	Brorson	Richland	Madison	1954	9,600	32	1.4	40	5	40	13		960	6,384	6,650	840		840	875	22	40,546	111	569	271	24.
25.	Brorson	Richland	Red River	1968	12,600	48	1.7	20	10	35	39		960	5,695	5,932	2,200		2,200	2,292	115	56,864	156	1,981	219	25.
26.	Brorson South	Richland	Red River	1968	12,600	48	1.7	20	12	30	5		960	7,360	7,666	350		350	365	18	53,906	148	110	240	26.
27.	Brush Lake	Sheridan	Red River	1969	11,400	40	1.5	30	14	35	14		1,600	22,591	14,119	3,190		3,190	1,994	66	85,443	234	2,056	1,134	27.
28.	Burget East	Roosevelt	Madison	1981	9,000			36					640								13,009	36	17	14	28.
29.	Burget East	Roosevelt	Red River	1980	12,800	45		55					320								9,928	27	13	13	29.
30.	Cabin Creek Unit 1	Fallon	Siluro-Ord	1953	9,000	33	1.2	50	13	30	20	11	11,040	324,750	29,415	64,310	25,600	89,910	8,144	163	1433,120	3,926	66,540	23,370	30.
31.	Cabin Creek Unit 2	Fallon	Madison	1956	7,300	33	1.13	25	11	30	80		1,440	19,031	13,215	15,130		15,130	10,507	420	103,012	282	14,351	779	31.
32.	Canal	Richland	Madison	1977	9,200	33	1.3	47	2	41	26		480	1,589	3,310	410		410	854	18	79,310	217	105	305	32.
33.	Canal	Richland	Red River	1970	12,700	47	2.07	58	8	40	18		320	3,339	10,434	610		610	1,906	33	17,134	47	540	70	33.
34.	Cannonball	Fallon	Red River	1980	10,300	34	2	14	11	34	8		160	646	4,037	50		50	313	22	11,061	30	39	11	34.
35.	Carlyle	Wibaux	Red River	1978	10,700	37	1.3	12	12	27	13		320	2,007											

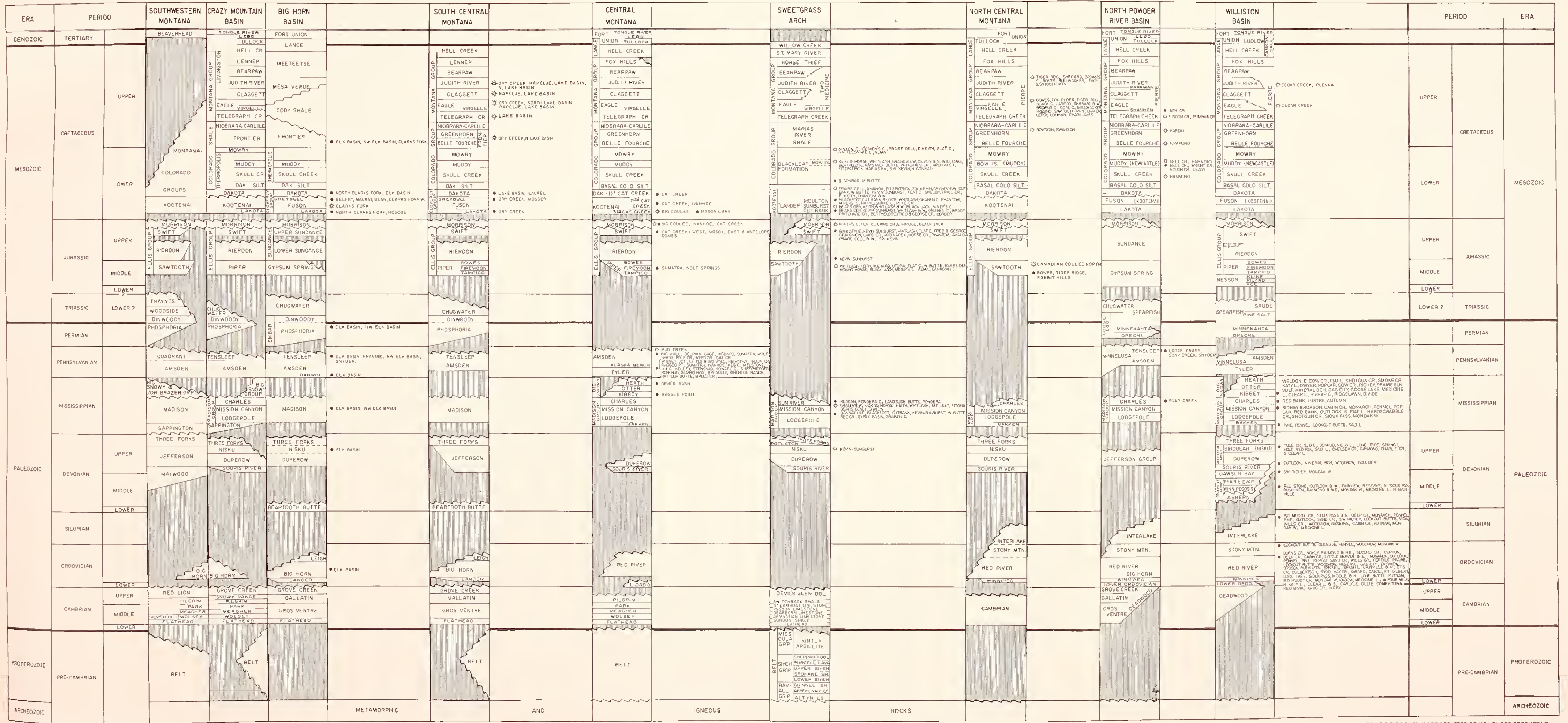
LINE NO.	FIELD	COUNTY	PRODUCING FORMATION	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	POROSITY (%)	% WATER	RECOVERY FACTOR %		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1982 PRODUCTION		CUMULATIVE PRODUCTION 1-1-83 (M BBLs)	RESERVES (M BBLs)	LINE NO.	
											PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs./ ACRE	BBLs./ ACRE FT.	BBLs	BOPD				
83.	Frog Coulee	Richland	Red River	1979	11,000	49	1.42	15	18	35	7		160	1,534	9,587		110		110	688	46	11,697	32	106	4	83.
84.	Gage	Musselshell	Amsden	1944	6,000								120								10,922	30	599	15	84.	
85.	Gas City	Dawson	Red River	1955	8,900	38	1.28	25	12	35	44	5	1,600	18,910	11,818	8,290	1,760	10,050	6,281	251	124,782	342	9,295	755	85.	
86.	Glendive	Dawson	Stoney Mountain	1952	8,900	38	1.24	147	8	35	12		2,240	107,126	47,824	12,450		12,450	5,558	38	149,963	411	11,606	844	86.	
87.	Goose Lake	Shenando	Ratcliffe - RR	1962	7,000	34	1.2	40	16	55	8	3	5,440	101,288	18,619	8,060	3,580	11,640	2,140	54	214,905	589	7,699	3,941	87.	
88.	Grabben Coulee	Glaicer	Madison	1961	2,900	34	1.1	15	12	30	7		3,000	26,659	8,886	1,750		1,750	583	39	87,900	241	1,529	221	88.	
89.	Granview East	Liberty	Swift	1978	2,500								80								4,291	12	21	33	89.	
90.	Green Coulee	Shenando	Red River	1981	11,100			14					640								27,492	75	42	11	90.	
91.	Gumbo Ridge	Rosebud	Tyler	1975	4,900	32	1.1	16	13	35	34	33	160	1,526	9,537	520	760	1,280	8,000	500	54,076	148	449	831	91.	
92.	Gypsy Basin	Teton & Pondera	Sawtooth	1979		36		10					640								30,882	85	342	91	92.	
93.	Hay Creek	Richland	Mission Canyon	1969	9,600	39	1.15	40	5		5		320	4,317	13,490	230		230	719	18	12,158	33	187	43	93.	
94.	Hay Creek	Richland	Red River	1969	12,600	46	1.9	53	12	30	8		640	11,634	18,178	960		960	1,500	28	18,313	50	886	74	94.	
95.	Hiawatha	Musselshell	Tyler	1967	5,000	33	1.15	34	12	25	61		120	2,477	20,641	1,500		1,500	12,500	368	26,520	73	1,406	94	95.	
96.	Hibbard	Rosebud	Amsden	1960	4,900	31	1.05	7	3	36	443		80	79	987	350		350	4,375	625	21,618	59	202	148	96.	
97.	Highfive	Rosebud	Tyler	1976	5,600	33	1.15	20	20		16		560	15,111	26,983	2,360		2,360	4,214	211	150,853	413	1,395	965	97.	
98.	Highview	Pondera	Madison	1967	3,200	31	1.1	8	17	32	2		200	1,304	6,520	20		20	100	13	5,471	15	19	1	98.	
99.	Honker	Shenando	Red River	1980	11,110	39	1.4	30	14	58	3		320	3,128	9,775	90		90	281	9	14,742	40	41	49	99.	
100.	Injun Creek	Rosebud	Tyler	1981	6,000	37							80								37,862	104	69	30	100.	
101.	Intake II	Richland	Red River	1981	12,400	43	1.2	20	13	30	4		640	7,530	11,765	300		300	469	23	146,597	402	197	103	101.	
102.	Jim Coulee	Musselshell	Tyler	1971	3,700	33	1.1	37	15	33	12	13	480	12,588	26,225	1,530	2,880	4,410	9,188	248	106,435	292	3,442	968	102.	
103.	Jim Coulee North	Musselshell	Tyler	1972		29	1.6	30	18	54	79		40	482	12,050	380		380	9,500	317	8,279	23	260	120	103.	
104.	Katy Lake North	Shenando	Mission Canyon	1981		32							120								118,171	324	143	214	104.	
105.	Katy Lake North	Shenando	Red River	1979	11,300	46	1.42	19	15	30	13		1,920	20,927	10,899	2,690		2,690	1,401	74	317,005	869	1,215	1,475	105.	
106.	Keg Coulee	Musselshell	Tyler	1960	4,600	33	1.15	19	14	32	72	3	520	6,345	12,201	4,580	550	5,130	9,865	519	52,827	145	4,980	150	106.	
107.	Keg Coulee North	Musselshell	Tyler	1964	4,600	33	1.15	14	12	32	53		120	925	7,708	490		490	4,083	292	19,281	53	393	97	107.	
108.	Kelley	Musselshell	Tyler	1966	4,400	33	1.15	50	13	30	38		80	2,456	30,699	940		940	11,750	235	10,098	28	906	34	108.	
109.	Kevin Sunburst	Toole	Sunburst	1922	1,500	32	1.08	7	20	35	31	3	36,360	237,679	6,536	73,430	7,970	81,400	2,239	320	612,644	1,678	74,398	7,002	109.	
110.	Kincheloe Ranch West	Rosebud	Tyler	1979	5,500	35							160								70,468	193	237	295	110.	
111.	Laird Creek West	Liberty	Swift	1968	2,800	39	1.13	14	16	50	23	2	240	1,845	7,687	420	130	550	2,292	164	9,131	25	532	18	111.	
112.	Lambert	Richland	Red River	1980	12,200	44		7	13	40			1,280								89,247	245	148	264	112.	
113.	Leary	Powder River	Muddy	1969	5,800	41	1.15	7	17	33	110		120	645	5,375	710		710	5,917	845	29,612	81	445	265	113.	
114.	Little Beaver	Fallon	Red River	1952	8,300	29	1.4	37	12	35	22	23	2,400	38,382	15,992	8,380	8,850	17,230	7,179	194	399,639	1,095	10,049	7,181	114.	
115.	Little Beaver East	Fallon	Red River	1954	8,300	30	1.5	24	13	35	38		1,440	15,104	10,488	5,710		5,710	3,965	165	112,592	308	4,777	933	115.	
116.	Little Phantom	Toole	Sunburst	1977									40								5,675	16	35	18	116.	
117.	Little Wall Creek	Musselshell	Tyler	1970	3,700	33	1.1	40	15	33	15		1,120	31,754	28,351	4,770		4,770	4,259	106	300,475	823	2,459	2,311	117.	
118.	Lodge Grass	Big Horn	Tensleep	1964	6,520	22	1.16	15	15	344																

LINE NO.	FIELD	COUNTY	PRODUCING FORMATION	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	POROSITY (%)	% WATER	RECOVERY FACTOR %		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1982 PRODUCTION		CUMULATIVE PRODUCTION 1-1-83 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs / ACRE	BBLs / ACRE FT.	BBLs	BOPO			
165.	Rattler Butte	Rosebud	Tyler	1975	5,300	35	1.1	25	12	60	52		240	2,031	8,462	1,050		1,050	4,375	175	256,995	704	459	591	165.
166.	Raymond	Shendan	Mississippian	1972	6,800	32	1.09	10	10		11		1,600	11,388	7,117	1,240		1,240	775	78	96,255	264	1,145	95	166
167.	Raymond	Shendan	Nisku	1972	7,900	50	1.4	22	9		36		160	1,756	10,975	630		630	3,938	179	13,710	38	573	57	167.
168.	Raymond	Shendan	Red River	1972	10,000	39	1.42	33	12	10	15		320	6,231	19,471	910		910	2,844	86	41,420	113	675	235	168.
169.	Raymond	Shendan	Winnipegosis	1972	9,300	42	1.17	40	5	27	51		320	3,098	9,681	1,590		1,590	4,969	124	83,452	229	840	750	169
170.	Reagan	Glacier	Madison	1947	3,700	38	1.1	11	12	30	52	14	2,120	13,815	6,516	7,120	2,300	9,420	4,443	404	247,617	678	7,310	2,110	170
171.	Red Bank	Roosevelt	Madison	1980	13,000	45							5,120								216,876	594	431	688	171.
172.	Red Bank	Roosevelt	Red River	1980	13,000								960								62,532	171	195	259	172
173.	Red Bank South	Roosevelt	Red River	1981	13,000	47		20	17	29			320								92,977	255	115	124	173.
174.	Red Creek	Glacier	Cut Bank	1958	2,600	31	1.08	20	19	30	33	2	320	6,114	19,106	2,040	300	2,340	7,313	366	18,881	52	2,224	116	174
175.	Red Creek	Glacier	Madison	1958	2,800	28	1.1	32	13	30	36		520	10,680	20,538	3,850		3,850	7,404	231	49,460	136	3,231	619	175
176.	Red Fox	Roosevelt	Nisku	1967	7,700	45	1.4	10	18	15	28		160	1,357	8,481	380		380	2,375	238	2,145	6	370	10	176.
177.	Red Stone	Shendan	Winnipegosis	1958	9,400	42	1.1	34	8	30	21		160	2,149	13,431	460		460	2,875	85	4,991	14	453	7	177.
178.	Refuge	Sheridan	Red River	1979	11,300	44	1.69	3	5		64		320	220	687	140		140	438	146	15,235	42	77	63	178
179.	Repeat	Carter	Red River	1956	8,600	23	1.02	25	10	30	29		160	2,130	13,312	610		610	3,813	153	10,008	27	494	116	179.
180.	Reserve	Shendan	Red River	1966	11,100	39	1.3	18	6	30	26		1,600	7,219	4,511	1,870		1,870	1,169	65	82,032	225	1,464	406	180.
181.	Richey	Dawson, McCone	Charles	1951	7,000	39	1.2	25	8	30	68		320	2,896	9,050	1,970		1,970	6,156	246	10,192	28	1,953	17	181.
182.	Richey Southwest	McCone	Siluro-Ord	1952	9,200	48	1.37	27	9	30	54	2	320	3,082	9,631	1,650	250	1,900	5,938	220	5,592	15	1,885	15	182
183.	Ridgelawn	Richland	Madison	1977	8,900	35	1.18	54	3	50	8		4,000	21,302	5,325	1,760		1,760	440	8	334,795	917	691	1,069	183.
184.	Ridgelawn	Richland	Red River	1980	12,500	50		15					1,600								299,776	821	770	1,980	184.
185.	Rip Rap Coulee	Roosevelt	Ratcliffe	1975	8,800	34	1.3	14	14	45	9		800	5,147	6,433	450		450	563	40	46,083	126	231	219	185
186.	Rocky Point	Roosevelt	Red River	1978	11,800	49	1.8	19	14	47	13		640	3,889	6,076	520		520	813	43	73,580	202	166	354	186
187.	Rosebud	Rosebud	Tyler	1974	5,000	34	1.24	32	14	48	15		200	2,915	14,575	430		430	2,150	67	14,084	39	382	48	187.
188.	Rush Mountain	Sheridan	Red River	1968	12,000	39	1.62	14	10	33	38		320	1,437	4,490	550		550	1,719	123	16,147	44	406	144	188
189.	Salt Lake	Shendan	Nisku	1970	7,900	43	1.5	23	11	35	10		480	4,083	8,506	420		420	875	38	14,051	38	332	88	189
190.	Second Creek	Richland	Red River	1972	12,700	46	1.5	30	7	40	14		1,280	8,341	6,516	1,130		1,130	883	29	50,884	139	931	199	190
191.	Sidney	Richland	Madison	1976	9,000	34	1.3	60	4	50	11		3,360	24,062	7,161	2,630		2,630	783	13	213,523	585	1,941	689	191.
192.	Sidney	Richland	Red River	1981	12,500	41	1.7	30	11	45	8		640	5,301	8,282	440		440	688	23	50,597	139	51	389	192
193.	Sidney East	Richland	Madison	1980	9,300	37	1.4	274	5	75	2		1,280	24,294	18,979	460		460	359	1	91,292	250	261	199	193.
194.	Singletree	Roosevelt	Red River	1978	12,000	46	2	28	10	40	4		320	2,085	6,515	80		80	250	9	11,297	31	70	10	194.
195.	Sioux Pass	Richland	Siluro-Ord	1973	12,700	47	1.7	40	9	35	12		2,240	23,920	10,678	2,940		2,940	1,313	33	153,508	421	2,411	529	195
196.	Sioux Pass Middle	Richland	Red River	1976	12,600	45	1.4	17	16	25	6		1,920	21,705	11,304	1,230		1,230	641	38	125,354	343	859	371	196.
197.	Sioux Pass North	Richland	Red River	1974	12,000	45	1.6	44	12	40	4		4,480	68,817	15,360	2,730		2,730	609	14	342,116	937	1,826	904	197.
198.	Snyder	Big Horn	Tensleep	1952	4,600	21	1	25	17	35	17		120	2,572	21,433	440		440	3,667	147	4,544	12	436	4	198.
199.	Soap Creek	Big Horn	Tensleep	1952	1,900	20	1.05	20	15	35	16		1,160	16,713	14,407	2,730		2,730	2,353	118	56,858	156	2,236	494	199
200.	Soap Creek East	Big Horn	Tensleep	1977	3,400	17	1.02	15	15	35	8		120	1,335	11,12										

GENERALIZED STRATIGRAPHIC CORRELATION CHART

SHOWING PRODUCTIVE FORMATIONS IN MONTANA OIL AND GAS FIELDS *

* OIL * GAS



* SOME FIELDS SHOWN ARE DEPLETED OR NO LONGER PRODUCTIVE

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